Replacement Parts List No. 700001400
Revision N 11/2013

Air Cooled Global Chiller
Screw Compressor

AGS
Sizes120-210
60 Hertz
Vintage: C

McQuay International
a member of DAIKIN group

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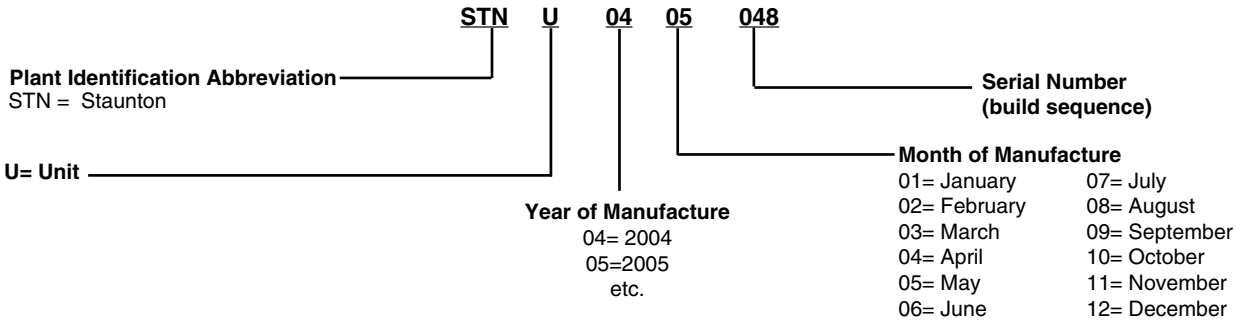
Parts List Revision History

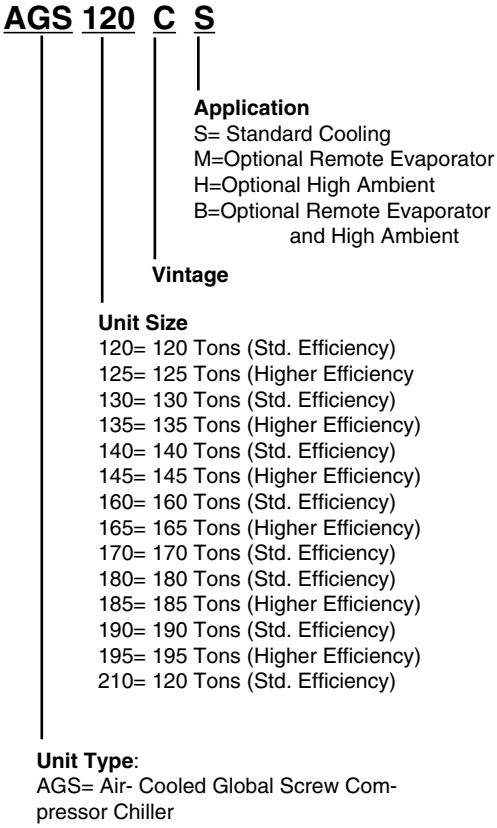
Revision	Date	Description
NEW	03/04	New
A	06/04	Pages 4 and 5: Minor corrections to nomenclature. Page 10: Removed Ref. 121. Changed part number for Ref. 120 (Relief Valve). Page 13: Changed part numbers for Ref. 180 (Sight Glass), Ref. 181 (Cap) and Ref. 190 (Exp. Valve). Page 16: Transducer Cables - Removed part #330841551. Changed qty. to 2 and length to 10 ft. on 330841552. Changed length to 20 ft. on 330841554. Changed length to 25 ft. on 330841555. Page 38: Changed location of Ref. 241 (Suction Transducer).
B	06/2005	Page 10 - Bub #126-Linear Transducer pn 330821301 was changed to part number 330591101.
C	08/2005	Page 10: Added Ref. #'s 41, 70 and 151A. Added part numbers for items that were shown as "TBD - To Be Determined". Page 13: Added Ref. 186 Shut Off Valve for "9/04 & later". Added note to original 186 for "until 9/04". Changed part number and description for Ref. 189 Gasket from 070199104 to 070199117. Page 16: Page revised - descriptions added for sensors, some part number changes. Pages 20-37: All occurrences of SCR part number 300042133 changed to 300030444 (duplicate part number).
D	05/2006	Page 39 - Added Circuit #1 and Circuit #2 headings to diagram and added title to diagram 'Coils (end view) - Opposite Control Box End'.
E	08/2006	Page 42 - Part #330904302 (10 Fan) description was Coil Guard Louvers - Complete Kit and was corrected to Base Guard Grilles -Complete Kit. Part #330904302 (12 Fan) description was Coil Guard Louvers -Complete Kit & was corrected to p/n 330904303 Base Guard Grilles - Complete Kit.
F	12/2006	Page 10 - Bub 152 O-Ring was 249.3mm and was changed to 249.5mm.
G	03/2008	Page 10 - Added Bub. #151B-Gasket, 4 Bolt Flange, pn 070199108.
H	12/08	Page 13 - Add Ref # E01 Fitting, 90 Elbow p/n 070789379. Add Ref # E02 Fitting, Reducer Sleeve ORFS p/n 070789361. Add Ref # E03 Fitting, Tube Nut ORFS p/n 070789360.
I	5/09	Page 16 - Change 10K-S Sensor, 10ft-Discharge Sensor 1 & 2 p/n from 073007301 to L129151028.
J	8/09	Page 16 - Added footnote for the two options of discharge temperature sensors.
K	3/10	Page 9 - Updated Compressor part numbers to 3315999** series for 208V, 230V, 460V and 575V. Added footnote for 3-terminal compressor replacement. Page 16 - Corrected part number in footnote 1. Added footnote for Large Controller. Page 39 - Added Ref. #s to drawing for inside, slanted coils.
L	08/2012	Page 10 - Added "350psi" to descrption for Ref. 120. Page 12 - Added "170W" to description for Ref. 20. Page 16 - Updated footnote 1. Pages 17 - Added amp rating to descriptions for Ref. 54, 60, 61, 62. Pages 18-37 - Expanded descriptions for the following controls: RDB Chassis, SCR, MOV, DVDT, OT Switch, Fuse Pri CPT. Page 38 - Added "Oil Differential" to description for Ref. 242. Added Capillary Tubes for Oil Differential Crtl-Press.
M	08/2012	Pages 9 & 10 - Added note to see PB-0512-01. Page 39 - Updated p/n's for Motors: 330423302 was -01, 330423702 was -01, 330766003 was -01.
N	11/2013	Page 10 - Added "Slide Indicator" to the description for Ref. 126. Added line for O-Ring, Compressor Oil Separator. Page 16 - Removed Transducer Cables, moved to page 38. Page 38 - Added Transducer Cables form page 16. Updated part numbers for Ref. 240 & 241 Pressure Transducers, were 071568601 and 071568501.

Nomenclature

Serial Number



Unit Model Number


AGS 120 C S
Application
S= Standard Cooling
M=Optional Remote Evaporator
H=Optional High Ambient
B=Optional Remote Evaporator
and High Ambient
Vintage
Unit Size
120= 120 Tons (Std. Efficiency)
125= 125 Tons (Higher Efficiency
130= 130 Tons (Std. Efficiency)
135= 135 Tons (Higher Efficiency)
140= 140 Tons (Std. Efficiency)
145= 145 Tons (Higher Efficiency)
160= 160 Tons (Std. Efficiency)
165= 165 Tons (Higher Efficiency)
170= 170 Tons (Std. Efficiency)
180= 180 Tons (Std. Efficiency)
185= 185 Tons (Higher Efficiency)
190= 190 Tons (Std. Efficiency)
195= 195 Tons (Higher Efficiency)
210= 120 Tons (Std. Efficiency)
Unit Type:
AGS= Air- Cooled Global Screw Compressor Chiller

Nomenclature, continued

Unit Model Number

AGS***C	S	A	NN	S	S	LH	A	F	T	G	NN	M2SN	ENSA	12	SS	PC	V	F	N	NN	NN	NN	NN
Code	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25

03 Application
- S= Standard Cooling
- M=Optional Remote Evaporator
- H=Optional High Ambient
- B=Optional Remote Evap. & High Ambient

04 Refrigerant
- A=134a

05 Sound
- NN=Standard
- SE=Sound Enclosure
- SF=(Future)

06 Evaporator
- S=Single Layer Insulation
- D=Double Layer Insulation

07 Unit Operation
- S=Standard Operation (42F-60F LWT)
- A=Lower Operation (40F-41F LWT)
- B=Lower Operation (38F-39F LWT)
- C=Lower Operation (36F-37F LWT)
- D=Lower Operation (34F-35F LWT)
- E=Lower Operation (32F-33F LWT)
- F=Lower Operation (30F-31F LWT)
- G=Lower Operation (28F-29F LWT)
- H=Lower Operation (26F-27F LWT)
- J=Lower Operation (24F-25F LWT)
- K=(Future)
- L=(Future)

08 Evap Heads
- LH=150PSI - Left Hand (Std)
- RH=150PSI - Right Hand

09 Cond Coil Fins
- A= Aluminum Fin (Std)
- C=Copper Fin
- B=Aluminum Fin with Prefab Blackfin Coating
- E=Aluminum Fin with Electrofin Coating
- F=Copper Fin with Electrofin Coating

10 Head Pressure
- F=Fantrol Only (35F Min.)
- V=VFD (First Fans / Circuit)
- A=(Future)

11 Fan Outlet
- T=Standard with Totally Enclosed type
- C=Chimney with Totally Enclosed type

12 Guards
- G=Condenser Coils Only
- F=Condenser Coils and Base Frame
- L=Condenser Coil Louvers
- B=Cond. Coil Louvers & Base Guard Louvers

13 Communication
- NN=None
- LM=LonMark
- BN=BACnet
- MB=Mod Bus
- WM=(Future)

14 Controls
- M2SN=Standard Mode - MicroTech II

15 Sensor Options
- ENSA=Standard Sensors and Unit Amps

16 Voltage
- 12=208V/60Hz/3Ph
- 29=230V/60Hz/3Ph
- 46=380V/60Hz/3Ph
- 27=460V/60Hz/3Ph
- 37=575V/60Hz/3Ph

17 Starter
- SS=Solid State

18 Power Connection
- PC=Single Pt. Power Block & Circuit Breakers
- DC=Single Pt. Disconnect Switch & Circuit Breakers
- DT=High Interrupt Disc. Sw. Current Rating with Single Point Pwr. Blk. & Circuit Breakers
- DH=High Short Curcuit Current Rating with Single Pt. Disc. Switch & Circuit Breakers
- MN=Multiple Pt. Power Block Only - No Ckt. Brkrs
- WN=Multiple Pt. Disconnect Switches - No Ckt. Brkrs
- WT=High Interrupt Disc. Sw. Current Rating with Multiple Point Pwr. Blk. - No Circuit Breakers
- WH=High Short Curcuit Current Rating with Multiple Pt. Disc. Switch - No Circuit Breakers

19 Phase/Voltage
- V=Phase and Under/Over Voltage Protection w/LED

20 Ground Fault
- F=With Ground Fault Protection

21 Unit Options
- N=No unit options
- C=115V Convienience Outlet

22 Water Flow
- NN=No Water Flow Indiction
- AA=Water Flow Indiction on Evaporator Only

23 Future

24 Tubing Options
- NN=Standard without Suction Shut-off Valve
- SS=With Suction Shut-off Valve

25 Unit Gauges
- NN=No unit gauges required

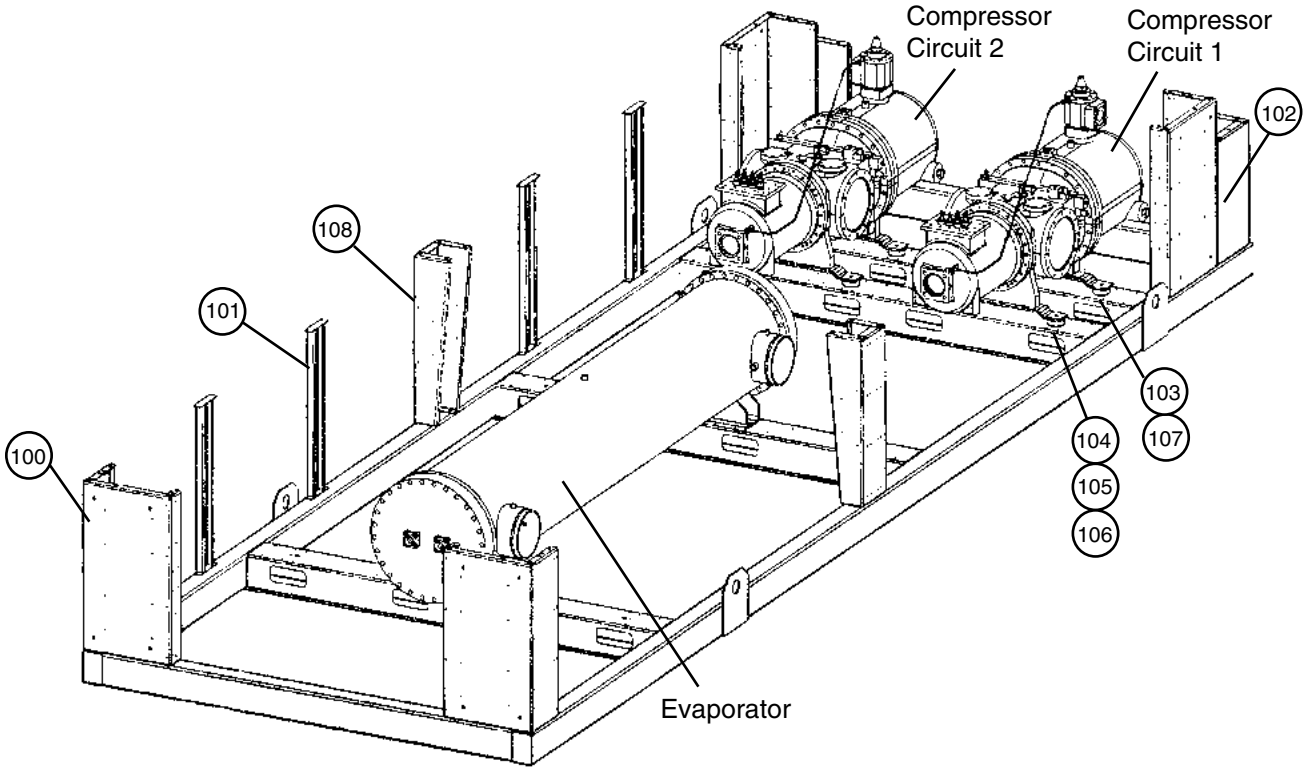
Electrical Legend

ABR	Alarm Bell Relay	Field Mounted
BB	Bias Block	Controls Side
CB1	Circuit Breaker, Compressor	Power Side
CB2	Circuit Breaker, Compressor	Power Side
CB11	Circuit Contr. Output Breaker	Controls Side
CB12	Circuit Contr. Compr. Heater	Controls Side
CB21	Circuit Contr. Output Breaker	Controls Side
CB22	Circuit Contr. Compr. Heater	Controls Side
CHW1	Chilled Water Flow Switch	Field Mounted
CHWR	Chilled Water Relay	Field Mounted
CIR. CONTR. 1	Circuit Controller	Controls Side
CIR. CONTR. 2	Circuit Controller	Controls Side
COMPR 1	Compressor	Behind Control Box
COMPR 2	Compressor	Behind Control Box
CS11	Circuit Pumpdown Switch	Controls Side
CS21	Circuit Pumpdown Switch	Controls Side
DS1	Disconnect Switch (optional)	Power Side
DS2	Disconnect Switch (optional)	Power Side
F3	115V Outlet Fuse (optional)	Controls Side
FU4	T1 Primary Fuse	Power Side
FU5	T1 Primary Fuse	Power Side
FU6	T1 Secondary Fuse	Power Side
FU7	T1 Secondary Fuse	Controls Side
FU8	Fan VFD Fusing	Power Side
FU9	Fan VFD Fusing	Power Side
FU10	Evaporator Heater Fuse	Controls Side
FU11	Control Box Space Heater Fuse	Controls Side
GRD	Ground	Power Side
HTR-COMPR.	Compressor Heater	Compressor
LR11	VFD Line Reactor	Power Side
LR21	VFD Line Reactor	Power Side
M11-M15	Fan Contactors	Power Side
M21-M25	Fan Contactors	Power Side
MHP	High Pressure Switch	Compressor
MHPR11	Mechanical High Pressure Relay	Controls Side
MHPR21	Mechanical High Pressure Relay	Controls Side
MS1	Mode Switch	Field Mounted
MSP12 & 13	Motor Short Circuit Protector Fan	Power Side
MSP22 & 23	Motor Short Circuit Protector Fan	Power Side
MJ	Mechanical Jumper	Controls Side
PB1	Power Block	Power Side
PB2	Power Block	Power Side
REC	115V Outlet (optional)	Controls Side
RS1	Remote Stop Switch	Field Mounted
S1	System Shut-Off Switch	Controls Side

Electrical Legend, continued

S01	Suction Pressure	Compressor
S02	Discharge Pressure	Compressor
S04	Suction Temperature	Compressor
S05	Discharge Temperature	Compressor
S07	Outside Air	Back of Control Box
S08	Evaporator Leaving Water Sensor	Leaving Water Nozzle
S09	Evaporator Entering Water Temp.	Entering Water Nozzle
S10	Demand Limit Reset	Field Mounted
S11	Leaving Water Reset	Field Mounted
SP	Spare	
SSS1	Solid State Starter	Power Side
LOAD/UNLOAD	Load / Unload Solenoid	Compressor
T1	Control Transformer	Power Side
T2	Unit Contr. 24V Transformer	Controls Side
T13	Circuit Contr. 24V Transformer	Controls Side
T14	Compr. Load/Unload 24V Transformer	Controls Side
T15	EXV Driver 24V Transformer	Controls Side
T23	Circuit Contr. 24V Transformer	Controls Side
T24	Compr. Load/Unload 24V Transformer	Controls Side
T25	EXV Driver 24V Transformer	Controls Side
TB1	Terminal Block Unit / Field Wiring	Controls Side
TB4	Terminal Block Power Side	Power Side
TB11	Terminal Block Circuit	Controls Side
TB21	Terminal Block Circuit	Controls Side
VFD11	Fan VFD	Power Side
VFD21	Fan VFD	Power Side
WJ	Wire Jumper	Controls Side

Unit Base



Ref. #	Description	Part Number	Quantity
AGS 120, 130, 140, 160 (8 Fans)			
100	Corner Post	330488001	4
101	Support, Coil to Base	330646701	6
102	Support, Control Box	330458901	2
103	Bracket, Compressor Mounting	330700901	4
104	Isolator, Neoprene Mtg. Pad	330527701	8
105	Nut Hex, M12 X 1.75, Zinc	330721904	8
106	Screw Hex Hd, M12 X 1.75 X 35MM	330821905	8
107	Screw Hex Hd, M12 x 1.75 x 25MM	330821907	8

AGS 125, 135, 145, 170, 180, 190 (10 Fans) **AGS 165, 175, 195, 210 (12 Fans)**			
100	Corner Post	330488001	4
101	Support, Coil to Base	330646701	8
102	Support, Coil to Base	330458901	2
103	Bracket, Compressor Mounting	330700901	4
104	Isolator, Neoprene Mtg. Pad - 220KG	330527701	8
105	Nut Hex, M12 X 1.75, Zinc	330721904	8
106	Screw Hex Hd, M12 X 1.75 X 35MM	330821905	8
107	Screw Hex Hd, M12 x 1.75 x 25MM	330821907	8
108	Support, Center of Base	330458801	2

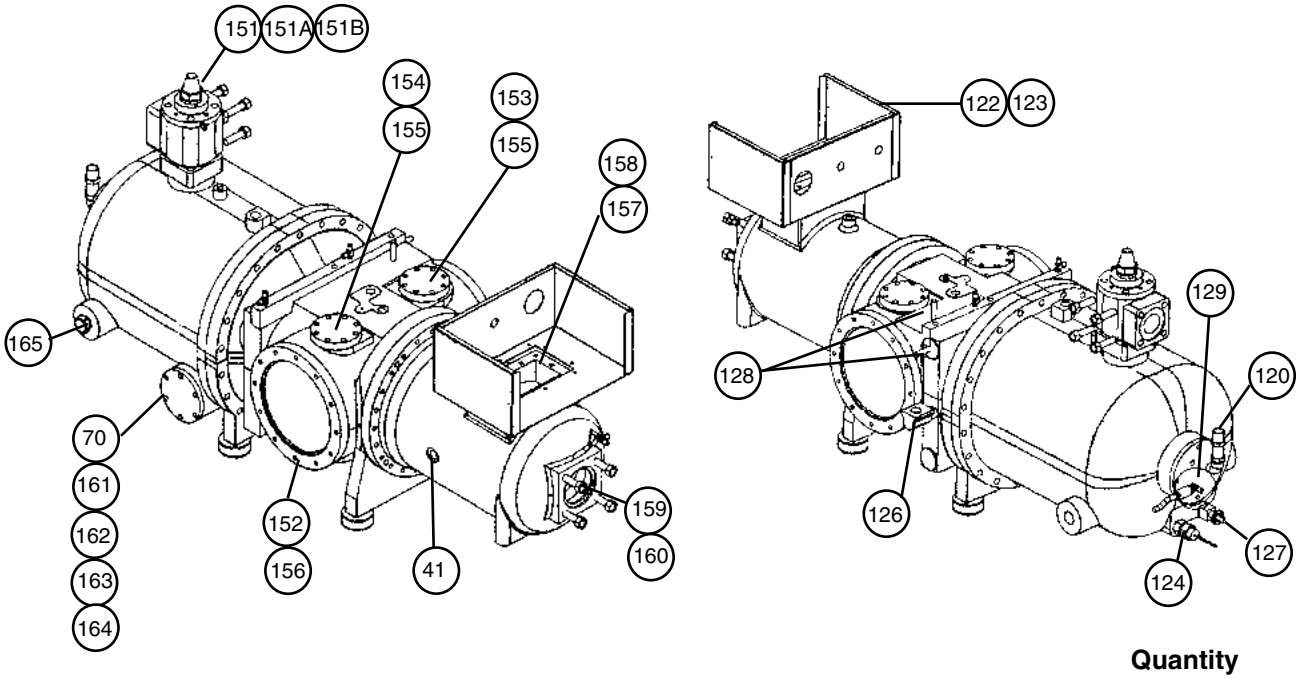
Compressors

Description	Part Number	Quantity Per Circuit
AGS 120C, 125C: Circuit #1 and #2:		
Compressor, 208V - HS3216 A/C	331599956	1
Compressor, 230V - HS3216 A/C	331599976	1
Compressor, 380V - HS3216 A/C	330565596	1
Compressor, 460V - HS3216 A/C	331599916 *	1
Compressor, 575V - HS3216 A/C	331599936 *	1
AGS 130C, 135C: Circuit #1 only		
Compressor, 208V - HS3216 A/C	331599956	1
Compressor, 230V - HS3216 A/C	331599976	1
Compressor, 380V - HS3216 A/C	330565596	1
Compressor, 460V - HS3216 A/C	331599916 *	1
Compressor, 575V - HS3216 A/C	331599936 *	1
AGS 130C, 135C: Circuit #2 only		
Compressor, 208V - HS3218 A/C	331599955	1
Compressor, 230V - HS3218 A/C	331599975	1
Compressor, 380V - HS3218 A/C	330565595	1
Compressor, 460V - HS3218 A/C	331599915 *	1
Compressor, 575V - HS3218 A/C	331599935 *	1
AGS 140C, 145C: Circuit #1 and #2		
Compressor, 208V - HS3218 A/C	331599955	1
Compressor, 230V - HS3218 A/C	331599975	1
Compressor, 380V - HS3218 A/C	330565595	1
Compressor, 460V - HS3218 A/C	331599915 *	1
Compressor, 575V - HS3218 A/C	331599935 *	1
AGS 160C, 165C: Circuit #1 only		
Compressor, 208V - HS3218 A/C	331599955	1
Compressor, 230V - HS3218 A/C	331599975	1
Compressor, 380V - HS3218 A/C	330565595	1
Compressor, 460V - HS3218 A/C	331599915 *	1
Compressor, 575V - HS3218 A/C	331599935 *	1
AGS 160C, 165C: Circuit #2 only		
Compressor, 208V - HS3220 A/C	331599954	1
Compressor, 230V - HS3220 A/C	331599974	1
Compressor, 380V - HS3220 A/C	330565594	1
Compressor, 460V - HS3220 A/C	331599914 *	1
Compressor, 575V - HS3220 A/C	331599934 *	1
AGS 170C, 175C, 180C, 190C, 195C, 210C: Circuit #1 and #2		
Compressor, 208V - HS3220 A/C	331599954	1
Compressor, 230V - HS3220 A/C	331599974	1
Compressor, 380V - HS3220 A/C	330565594	1
Compressor, 460V - HS3220 A/C	331599914 *	1
Compressor, 575V - HS3220 A/C	331599934 *	1

* This compressor has 6 terminals. If replacing a 3 terminal compressor, also order Bus Bars 300044004, qty = 3.

See Parts Bulletin PB-0512-01 “Screw Compressor Motor Terminal Plates Reference Guide” for complete instructions and part numbers involving Motor Terminals, Terminal Plates, Terminal O-Rings, Terminal Plate Gaskets, etc.

Compressor Components



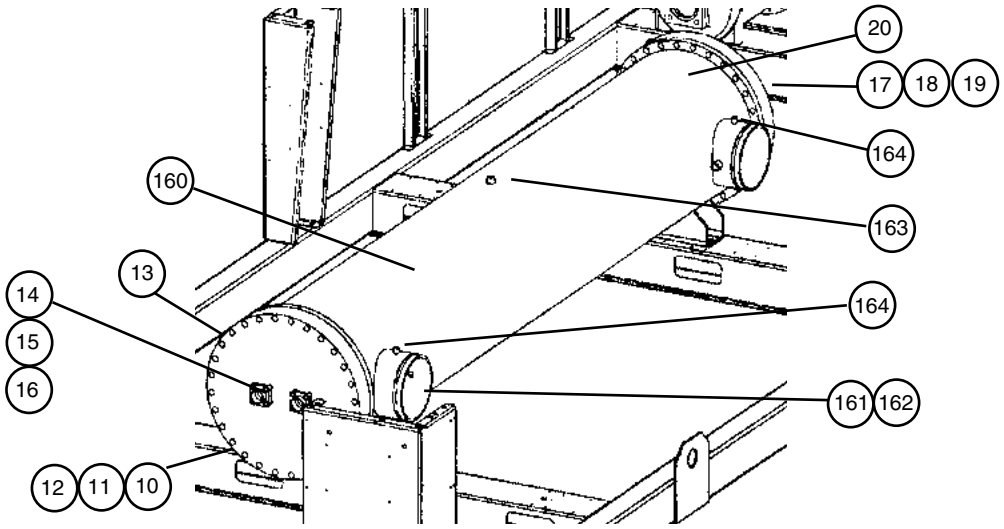
Ref. #	Description	Part Number	Quantity Per Compressor
41	Plug/O-Ring, .875 hollow	735017109	2
70	Oil Filter Cover Plate	330480401	1
120	Relief Valve, 350 psi	735045855	1
122	Compressor Box, 16.62 x 15.50 x 7.00”	330527502	1
123	Compressor Cover	330701902	1
124	Heater, Cartridge, 120V, 250W, 15ft.	735041263	1
126	Linear Transducer / Slide Indicator	330591101	1
127	Oil Sensor	330386401	1
128	Solenoid Coil, 24VAC/60HZ	330822001	2
129	Control, Pressure Switch, 290PSI - 170 PSI	073074009	1
151	Shut Off Valve	330592401	1
151A	Gasket	070199115	1
151B	Gasket, 4 Bolt Flange	070199108	1
152	O-Ring, 249.5mm x 3mm (Side Cover)	7316423	2
153	O-Ring, 84.3mm x 5.7mm (Bearing Housing, Large)	7316146	2
154	O-Ring, 74.5mm x 3mm (Bearing Housing, Small)	7316394	2
NS	O-Ring, Compressor Oil Separator	735043638	1
155	Bolt, M8 x 25 (Bearing Housing)	715618155	32
156	Bolt, M10 x 40 (Side Cover)	330821920	24
157	Motor Terminal	074606101**	
158	Gasket, Terminal Box	070950301	1
159	Suction Strainer	87211301	1
160	Suction Strainer Gasket	070199104	2
161	Oil Filter	735006907	1
162	Oil Filter O-Ring	735073672	1
163	Oil Filter O-Ring	350233025	1
164	Screw, M10 x 25MM	715618169	6
165	Oil Sight Glass	350229501	2

**See Parts Bulletin PB-0512-01 “Screw Compressor Motor Terminal Plates Reference Guide” for complete instructions and part numbers involving Motor Terminals, Terminal Plates, Terminal O-Rings, Terminal Plate Gaskets, etc.
NS = Not Shown

Evaporator

Description	Part Number	Quantity
AGS120C, AGS130C, AGS140C		
Evaporator, Left Hand Water Connection - EV40211212 Std.	330645801	1
Evaporator, Right Hand Water Connection - EV40211212	330645811	1
Evaporator Insulation - Single Layer Insulation	047662050	36 sq.ft.
Evaporator Insulation - Double Layer Insulation	047662050	72 sq.ft.
AGS125C, AGS135C, 160C		
Evaporator, Left Hand Water Connection – EV50211313 Std.	330645901	1
Evaporator, Right Hand Water Connection – EV50211313	330645911	1
Evaporator Insulation - Single Layer Insulation	047662050	45 sq.ft.
Evaporator Insulation - Double Layer Insulation	047662050	90 sq.ft.
AGS145C		
Evaporator, Left Hand Water Connection – EV40271212 Std.	330646001	1
Evaporator, Right Hand Water Connection – EV40271212	330646011	1
Evaporator Insulation - Single Layer Insulation	047662050	36 sq.ft.
Evaporator Insulation - Double Layer Insulation	047662050	72 sq.ft.
AGS165C, AGS170C, AGS175C, AGS180C		
Evaporator, Left Hand Water Connection – EV50271313 Std.	330646103	1
Evaporator, Right Hand Water Connection – EV50271313	330646113	1
Evaporator Insulation - Single Layer Insulation	047662050	45 sq.ft.
Evaporator Insulation - Double Layer Insulation	047662050	90 sq.ft.
AGS190C, AGS195C, AGS210C		
Evaporator, Left Hand Water Connection – EV50271515 Std.	330646101	1
Evaporator, Right Hand Water Connection – EV50271515	330646111	1
Evaporator Insulation - Single Layer Insulation	047662050	45 sq.ft.
Evaporator Insulation - Double Layer Insulation	047662050	90 sq.ft.

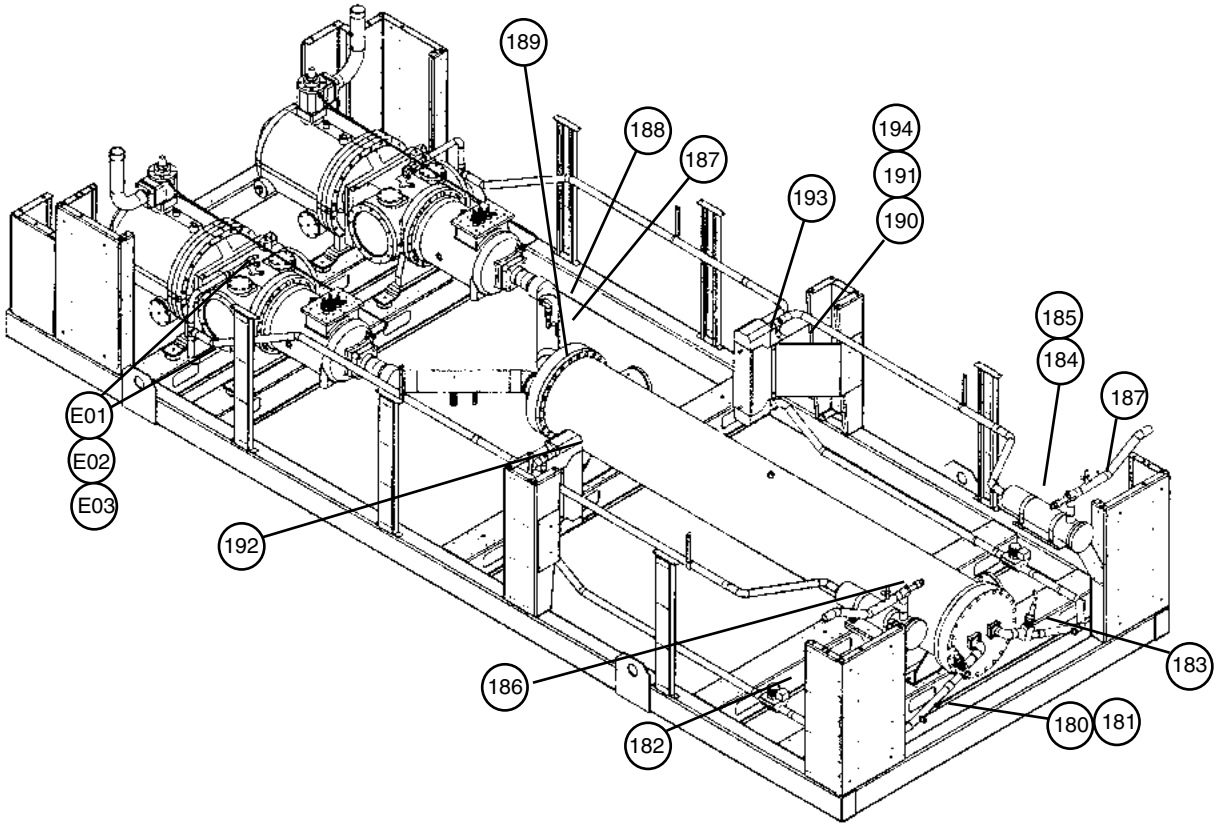
Evaporator Components



Ref. #	Description	Part Number	Quantity Per Evaporator
AGS120C, 130C, 140C, 145C			
10	Header Gasket	300042190	1
11	Distributor Gasket	300042192	2
12	Tube Sheet O-Ring	300042194	1
13	Header Bolts	300042196	24
14	Liquid Flange	300042197	2
15	Liquid O-Ring	300042198	2
16	Liquid Ferrule	300042199	2
17	Suction Flange	300042200	2
18	Suction O-Ring	300042202	2
19	Suction Ferrule	300042204	2
20	Heater, 170W	300042206	1
AGS125C, 135C, 160C, 165C, 170C, 175C, 180C, 190C, 195C, 210C			
10	Header Gasket	300042191	1
11	Distributor Gasket	300042193	2
12	Tube Sheet O-Ring	300042195	1
13	Header Bolts	300042196	28
14	Liquid Flange	300042197	2
15	Liquid O-Ring	300042198	2
16	Liquid Ferrule	300042199	2
17	Suction Flange	300042201	2
18	Suction O-Ring	300042203	2
19	Suction Ferrule	300042205	2
20	Heater, 170W	300042206	1
All Units			
161	Sensor Well	047441506	2
162	Sensor Fitting	735048015	2
163	Pipe Plug	735031641	2
164	Pipe Plug	735031604	2

NOTE: Evaporator tubes are not field replaceable. The dimensions of the tubes are: 7.94mm OD x .28mm wall thickness.

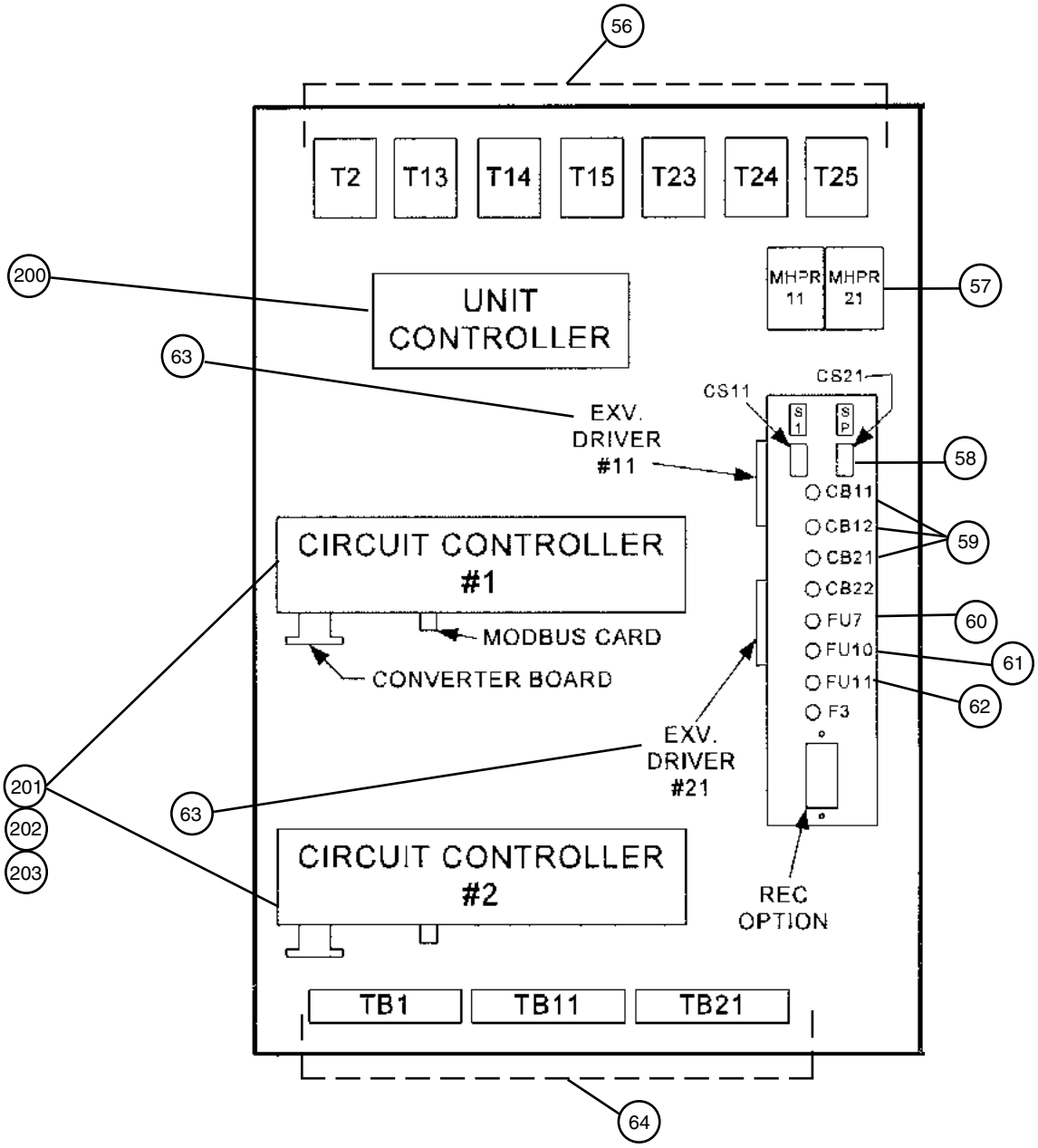
Tubing



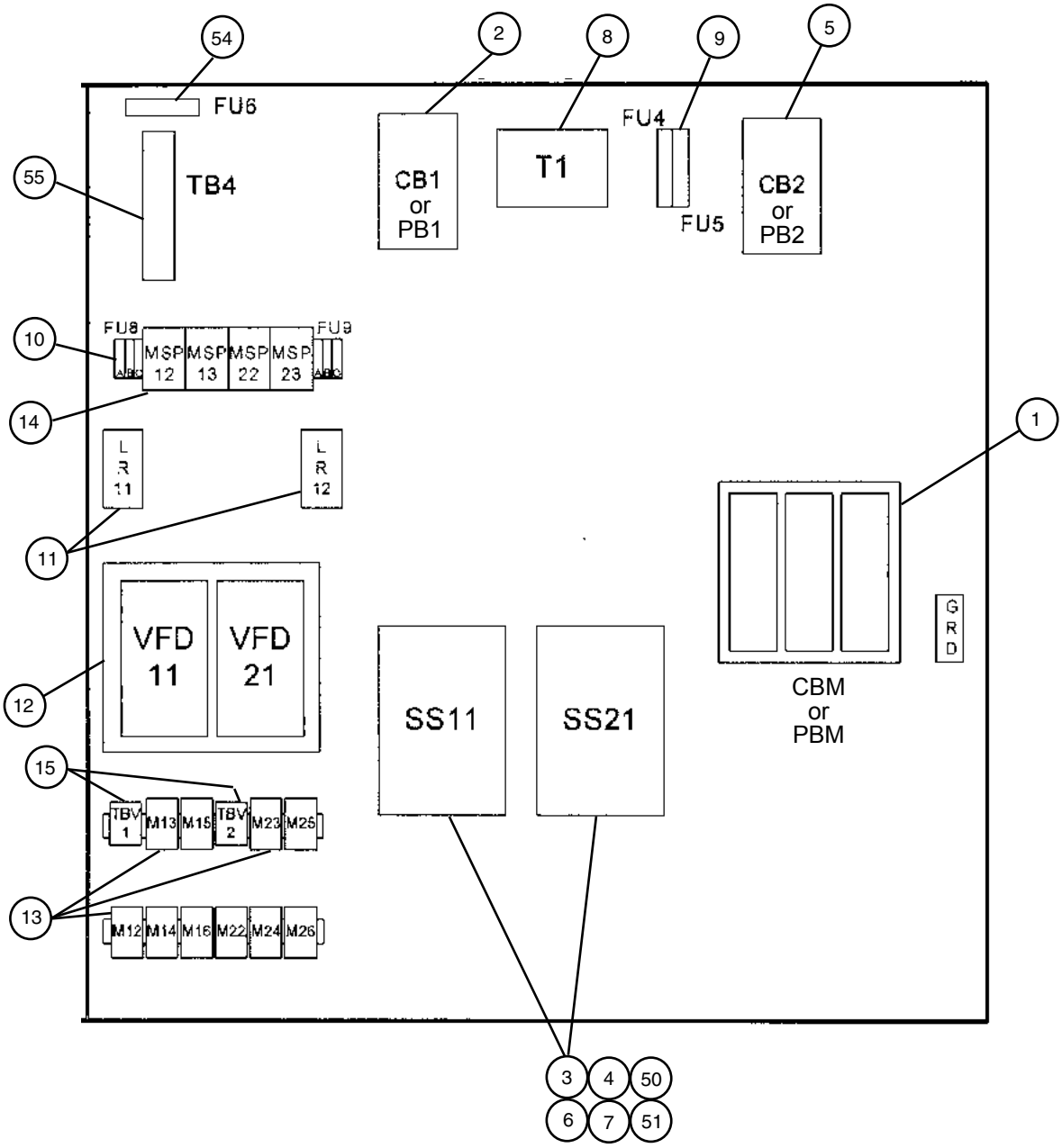
Ref. #	Description	Part Number	Quantity
All Units			
180	Sight Glass Saddle	330508704	2
181	Sight Glass Cap, Liquid	330508701	2
182	Solenoid Valve, Liquid Line	735048461	2
183	Expansion Valve, Elect.	330386202	2
184	Filter Drier	071993501	2
185	Filter Drier Core	070339101	6
186	Shut-Off Valve (until 9/2004)	032193505	2
186	Shut-Off Valve (9/2004 and later)	330724704	2
187	Charge Valve	038689900	4
188	Relief Valve, 200#	735045852	2
189	Gasket, 4.165 O.D.	070199117	2
E01	Fitting, 90 Elbow	070789379	4
E02	Fitting, Reducer Sleeve ORFS	070789361	4
E03	Fitting, Tube Nut ORFS	070789360	4
AGS180C, AGS190C, AGS195C, AGS210C			
190	Expansion Valve for Economizer	070300644	2
191	Sight Glass, Liquid	022427700	2
192	Heat Exchanger, Circuit #2	074666405	1
193	Heat Exchanger, Circuit #1	074666406	1
194	Solenoid Valve, 24V Coil	330286101	2
All Units With Suction Shut-off Valves			
NS	Shut-Off Valve	735039918	2
NS	Gasket, 4.150D	070199104	2
NS	Shut Off Valve	735039807	2

NS = Not Shown

Control Box Layout - Controls Side



Control Box Layout - Power Side



Control Box Hardware

Ref. #	Description	Part Number	Quantity
All Units			
200	Controller, Small w/Display	330268111	1
201	Controller, Medium w/Display	330268211 [2]	2
202	Convert Board for Carel Ctrl	071857701	2
NS	Connector w/Cage Clamp	330324103	2
NS	Terminal Block, 3 Pole	049759001	7
NS	10K-S Sensor, 10ft. - Outside Air Sensor (S07)	073007301	1
NS	10K-S Sensor, 10ft. - Discharge Sensor 1 & 2 (S05)	L129151028 [1]	2
NS	3 Wire Lead-Cable, Solenoid, 24VAC	330286403	4
NS	4 Wire Lead-Cable, Solenoid, 24VAC	330804403	4
203	RS485 Serial Network Board	330343101	2
All Package Units without Economizer (Size 146 and smaller)			
NS	10K-L Sensor, 30ft. - Leaving Water Sensor (S08)	073007203	1
NS	Sensor, 10K-S, 20ft. - Entering Water Sensor (S09)	073007302	1
NS	Sensor, 10K-S, 20ft. - Suction Sensor 1 & 2 (S04)	073007302	2
All Package Units with Economizer (Size 161)			
NS	10K-L Sensor, 30ft. - Leaving Water Sensor (S08)	073007203	1
NS	Sensor, 10K-S, 20ft. - Entering Water Sensor (S09)	073007302	1
NS	Sensor, 10K-S, 20ft. - Suction Sensor 1 & 2 (S04)	073007302	2
NS	3 Wire Lead-Cable, Solenoid, 24VAC	330286403	1
NS	3 Wire Lead-Cable, Solenoid, 24VAC	330286404	1
All Remote Evaporator Units without Economizer (Size 146 and smaller)			
NS	10K Sensor, 100ft. - Leaving Water Sensor (S08)	073007210	4
All Remote Evaporator Units with Economizer (Size 161)			
NS	10K Sensor, 100ft. - Leaving Water Sensor (S08)	073007210	4
NS	3 Wire Lead-Cable, Solenoid, 24VAC	330286403	1
NS	3 Wire Lead-Cable, Solenoid, 24VAC	330286404	1

NS = Not Shown

[1] There are two options for the discharge temperature sensor. 073007303 has a temperature range to 200 degrees. L129151028 has a wider range to 230 degrees. Check the unit software revision level. If Rev. E or earlier: order original sensor 073007303, or upgrade to newer software and order L129151028 which has a wider range. If Rev. F or later: can order either sensor.

[2] Can use Large Controller, part number 330268311, as substitute with no modifications.

Control Box Common Parts

Ref. #	Elect. Legend	Description	Part Number	Quantity
50	SS11, SS21	D3 Card	300042172	2
51	TC1, TC2	Thermistor Card	300042173	2
NS	T-H	Thermostat (only on units with Fan VFD)	300042174	2
NS	HTR	Panel Heater (only on units w/Fan VFD)	300042175	1
54	FU6	Fuse, 5A 600V	300042176	1
55	TB-4, TB4-1,2	Terminal Block	300042177	3
56	T12, 13-15,23-25	Transformer, 60 Hz.	300042178	7
57	MHPR11, MHPR21	Contactor	300042180	2
58	S,CS11, CS12	Rocker Switch	300042181	3
59	CB11, 12, 21, 22	ETA Circuit Breaker	300042182	4
60	FU7	Fuse, 15A	300042183	1
61	FU10	Fuse, 5A	300042184	1
62	FU11	Fuse, 1.5A	300042185	1
63	EXV Drvr 11, 21	Temp. Control Board	300042186	2
64	TB1, 11, 21	Terminal Block Assy	300042187	3
NS	HTR	Panel Heater (only on units w/Fan VFD)	300042188	1
NS	---	Enclosure w/Sub Panel & Solar Shields	300042189	1

NS = Not Shown

Control Box Components
208V / 60Hz, Multiple Point, Power Block

				Unit Sizes		
				120 thru 145	160 thru 165	170 thru 210
208V / 60Hz, Multiple Point, Power Block - Control Box with Components						
Control Box Description			**Part Number**			
208V/60HZ, Std. Interrupt, FanTrol			330680101	1		
208V/60HZ, Std. Interrupt, With FAN VFD			330680111	1		
208V/60HZ, Std. Interrupt, FanTrol			330680201		1	
208V/60HZ, Std. Interrupt, With FAN VFD			330680211		1	
208V/60HZ, Std. Interrupt, FanTrol			330680301			1
208V/60HZ, Std. Interrupt, With FAN VFD			330680311			1
208V / 60Hz, Multiple Point, Power Block - Control Box Components						
Ref. #	**Elect. Legend**	**Component Description**	**Part Number**			
2 & 5	PB1, PB2	Power Block	300042101	2	2	
2 & 5	PB1, PB2	Power Block	300042102			2
3 & 6	1CT1-3, 2CT1-3	Current Transformers	300042127	6	6	6
4 & 7	SS11, SS21	RDB Chassis *	300042131	2	2	
4 & 7	SS11, SS21	RDB Chassis *	300042132			2
--	--	SCR *	300042134	2	2	2
--	--	Bypass Contactor	300042137	2	1	
--	--	Bypass Contactor	300042138		1	2
--	--	DVDT *	300042139	2	2	2
--	--	Over Temperature Switch	300042141	2	2	2
8	T1	Transformer	300042144	1	1	1
9	FU4,5	Fuse Pri CPT *	300042149	2	2	2
10	FU8A-C, FU9A-C	Fuse VFD or M11/M21	300042153	6	6	6
13	M12-16, M22-26	Fan Contactor	300042163	10	10	10
14	MSP12, MSP22	Motor Starter Protector	300042170	2	2	2
14	MSP13, MSP23	Motor Starter Protector	300042167	2		
14	MSP13, MSP23	Motor Starter Protector	300042170		2	2
Units with FAN VFD:						
11	LR11, 21	Line Reactors	300042155	2	2	2
12	VFD11, 21	Variable Frequency Drive	300042158	2	2	2
15	TVB-1,2	Terminal Block	300042213	2	2	2
Units with FanTrol:						
--	M11, M21	Fan Contactor	300042163	2	2	2

With FAN VFD = FAN VFD on 1st Motor / Circuit

*RDB Chassis = RediStart Digital Bypass Chassis
SCR = Silicon Controlled Rectifier
DVDT = Resistor/Capacitor Board for Voltage Transient Protection
Fuse Pri CPT = Fuses for Primary side of Control Power Transformer

Control Box Components
230V / 60Hz, Multiple Point, Power Block

				Unit Sizes		
				120 thru 145	160 thru 175	180 thru 210
230V / 60Hz, Multiple Point, Power Block - Control Box with Components						
Control Box Description			**Part Number**			
230V/60HZ, Std. Interrupt, FanTrol			330680401	1		
230V/60HZ, Std. Interrupt, With FAN VFD			330680411	1		
230V/60HZ, Std. Interrupt, FanTrol			330680501		1	
230V/60HZ, Std. Interrupt, With FAN VFD			330680511		1	
230V/60HZ, Std. Interrupt, FanTrol			330680701			1
230V/60HZ, Std. Interrupt, With FAN VFD			330680711			1
230V / 60Hz, Multiple Point, Power Block - Control Box Components						
Ref. #	**Elect. Legend**	**Component Description**	**Part Number**			
2 & 5	PB1, PB2	Power Block	300042101	2	2	
2 & 5	PB1, PB2	Power Block	300042102			2
3 & 6	1CT1-3, 2CT1-3	Current Transformers	300042127	6	6	6
4 & 7	SS11, SS21	RDB Chassis *	300042131	2	2	
4 & 7	SS11, SS21	RDB Chassis *	300042132			2
--	--	SCR *	300042134	2	2	2
--	--	Bypass Contactor	300042137	2	2	
--	--	Bypass Contactor	300042138			2
--	--	DVDT *	300042139	2	2	2
--	--	Over Temperature Switch	300042141	2	2	2
8	T1	Transformer	300042144	1	1	1
9	FU4,5	Fuse Pri CPT *	300042149	2	2	2
10	FU8A-C, FU9A-C	Fuse VFD or M11/M21	300042154	6	6	6
13	M12-16, M22-26	Fan Contactor	300042163	10	10	10
14	MSP12, MSP22	Motor Starter Protector	300042169	2	2	2
14	MSP13, MSP23	Motor Starter Protector	300042167	2		
14	MSP13, MSP23	Motor Starter Protector	300042169		2	2
Units with FAN VFD:						
11	LR11, 21	Line Reactors	300042155	2	2	2
12	VFD11, 21	Variable Frequency Drive	300042158	2	2	2
15	TVB-1,2	Terminal Block	300042213	2	2	2
Units with FanTrol:						
--	M11, M21	Fan Contactor	300042163	2	2	2

With FAN VFD = FAN VFD on 1st Motor / Circuit

*RDB Chassis = RediStart Digital Bypass Chassis
SCR = Silicon Controlled Rectifier
DVDT = Resistor/Capacitor Board for Voltage Transient Protection
Fuse Pri CPT = Fuses for Primary side of Control Power Transformer

Control Box Components
380V / 60Hz, Multiple Point, Power Block

				Unit Sizes		
				120 thru 145	160 thru 165	170 thru 210
380V / 60Hz, Multiple Point, Power Block - Control Box with Components						
Control Box Description			**Part Number**			
380V/60HZ, Std. Interrupt, FanTrol			330680801	1		
380V/60HZ, Std. Interrupt, With FAN VFD			330680811	1		
380V/60HZ, Std. Interrupt, FanTrol			330680901		1	
380V/60HZ, Std. Interrupt, With FAN VFD			330680911		1	
380V/60HZ, Std. Interrupt, FanTrol			330681001			1
380V/60HZ, Std. Interrupt, With FAN VFD			330681011			1
380V / 60Hz, Multiple Point, Power Block - Control Box Components						
Ref. #	**Elect. Legend**	**Component Description**	**Part Number**			
2 & 5	PB1, PB2	Power Block	300042101	2	2	2
3 & 6	1CT1-3, 2CT1-3	Current Transformers	300042128	6	3(1CT)	
3 & 6	1CT1-3, 2CT1-3	Current Transformers	300042127		3(2CT)	6
4 & 7	SS11, SS21	RDB Chassis *	300042129	2	1	1
4 & 7	SS11, SS21	RDB Chassis *	300042130		1	1
--	--	SCR *	300030444	2	1	1
--	--	SCR *	300042134		1	1
--	--	Bypass Contactor	300042135	2	1	1
--	--	Bypass Contactor	300042136		1	1
--	--	MOV- Metal Oxide Varistor	300042140	2	1	1
--	--	DVDT *	300042139		1	1
--	--	Over Temperature Switch	300042141		1	1
8	T1	Transformer	300042145	1	1	1
9	FU4,5	Fuse Pri CPT *	300042148	2	2	2
10	FU8A-C, FU9A-C	Fuse VFD or M11/M21	300042151	6	6	6
13	M12-16, M22-26	Fan Contactor	300042162	10	10	10
14	MSP12, MSP22	Motor Starter Protector	300042168	2	2	2
14	MSP13, MSP23	Motor Starter Protector	300042166	2		
14	MSP13, MSP23	Motor Starter Protector	300042168		2	2
Units with FAN VFD:						
11	LR11, 21	Line Reactors	300042156	2	2	2
12	VFD11, 21	Variable Frequency Drive	300042159	2	2	2
15	TVB-1,2	Terminal Block	300042213	2	2	2
Units with FanTrol:						
--	M11, M21	Fan Contactor	300042162	2	2	2

With FAN VFD = FAN VFD on 1st Motor / Circuit

*RDB Chassis = RediStart Digital Bypass Chassis
SCR = Silicon Controlled Rectifier
DVDT = Resistor/Capacitor Board for Voltage Transient Protection
Fuse Pri CPT = Fuses for Primary side of Control Power Transformer

Control Box Components
460V / 60Hz, Multiple Point, Power Block

				Unit Sizes	
				120 thru 145	160 thru 210
460V / 60Hz, Multiple Point, Power Block - Control Box with Components					
Control Box Description			**Part Number**		
460V/60HZ, Std. Interrupt, FanTrol			330681301	1	
460V/60HZ, Std. Interrupt, With FAN VFD			330681311	1	
460V/60HZ, Std. Interrupt, FanTrol			330681401		1
460V/60HZ, Std. Interrupt, With FAN VFD			330681411		1
460V / 60Hz, Multiple Point, Power Block - Control Box Components					
Ref. #	**Elect. Legend**	**Component Description**	**Part Number**		
2 & 5	PB1, PB2	Power Block	300042101	2	2
3 & 6	1CT1-3, 2CT1-3	Current Transformers	300042128	6	6
4 & 7	SS11, SS21	RDB Chassis *	300042129	2	2
--	--	SCR *	300030444	2	2
--	--	Bypass Contactor	300042135	2	2
--	--	MOV- Metal Oxide Varistor	300042140	2	2
8	T1	Transformer	300042142	1	1
9	FU4,5	Fuse Pri CPT *	300042148	2	2
10	FU8A-C, FU9A-C	Fuse VFD or M11/M21	300042152	6	6
13	M12-16, M22-26	Fan Contactor	300042162	10	10
14	MSP12, MSP22	Motor Starter Protector	300042166	2	2
14	MSP13, MSP23	Motor Starter Protector	300042165	2	
14	MSP13, MSP23	Motor Starter Protector	300042166		2
Units with FAN VFD:					
11	LR11, 21	Line Reactors	300042156	2	2
12	VFD11, 21	Variable Frequency Drive	300042159	2	2
15	TVB-1,2	Terminal Block	300042213	2	2
Units with FanTrol:					
--	M11, M21	Fan Contactor	300042162	2	2

With FAN VFD = FAN VFD on 1st Motor / Circuit

*RDB Chassis = RediStart Digital Bypass Chassis
SCR = Silicon Controlled Rectifier
Fuse Pri CPT = Fuses for Primary side of Control Power Transformer

Control Box Components
575V / 60Hz, Multiple Point, Power Block

				Unit Sizes	
				120 thru 145	160 thru 210
575V / 60Hz, Multiple Point, Power Block - Control Box with Components					
Control Box Description			**Part Number**		
575V/60HZ, Std. Interrupt, FanTrol			330681501	1	
575V/60HZ, Std. Interrupt, With FAN VFD			330681511	1	
575V/60HZ, Std. Interrupt, FanTrol			330681601		1
575V/60HZ, Std. Interrupt, With FAN VFD			330681611		1
575V / 60Hz, Multiple Point, Power Block - Control Box Components					
Ref. #	**Elect. Legend**	**Component Description**	**Part Number**		
2 & 5	PB1, PB2	Power Block	300042101	2	2
3 & 6	1CT1-3, 2CT1-3	Current Transformers	300042128	6	6
4 & 7	SS11, SS21	RDB Chassis *	300042129	2	2
--	--	SCR *	300030444	2	2
--	--	Bypass Contactor	300042135	2	2
--	--	MOV- Metal Oxide Varistor	300042140	2	2
8	T1	Transformer	300042143	1	1
9	FU4,5	Fuse Pri CPT *	300042147	2	2
10	FU8A-C, FU9A-C	Fuse VFD or M11/M21	300042150	6	6
13	M12-16, M22-26	Fan Contactor	300042162	10	10
14	MSP12, MSP22	Motor Starter Protector	300042166	2	2
14	MSP13, MSP23	Motor Starter Protector	300042164	2	
14	MSP13, MSP23	Motor Starter Protector	300042166		2
Units with FAN VFD:					
11	LR11, 21	Line Reactors	300042157	2	2
12	VFD11, 21	Variable Frequency Drive	300042160	2	2
15	TVB-1,2	Terminal Block	300042213	2	2
Units with FanTrol:					
--	M11, M21	Fan Contactor	300042162	2	2

With FAN VFD = FAN VFD on 1st Motor / Circuit

*RDB Chassis = RediStart Digital Bypass Chassis
SCR = Silicon Controlled Rectifier
Fuse Pri CPT = Fuses for Primary side of Control Power Transformer

Control Box Components
208V / 60Hz, MultiplePoint, Disconnect Switch

				Unit Sizes		
				120 thru 145	160 thru 165	170 thru 210
208V / 60Hz, Multiple Pt., Disconnect Switch - Control Box with Components						
Control Box Description			**Part Number**			
208V/60HZ, Std. Interrupt, FanTrol			330680151	1		
208V/60HZ, Std. Interrupt, With FAN VFD			330680161	1		
208V/60HZ, High Interrupt, FanTrol			330680171	1		
208V/60HZ, High Interrupt, With FAN VFD			330680181	1		
208V/60HZ, Std. Interrupt, FanTrol			330680251		1	
208V/60HZ, Std. Interrupt, With FAN VFD			330680261		1	
208V/60HZ, High Interrupt, FanTrol			330680271		1	
208V/60HZ, High Interrupt, With FAN VFD			330680281		1	
208V/60HZ, Std. Interrupt, FanTrol			330680351			1
208V/60HZ, Std. Interrupt, With FAN VFD			330680361			1
208V/60HZ, High Interrupt, FanTrol			330680371			1
208V/60HZ, High Interrupt, With FAN VFD			330680381			1
208V / 60Hz, Multiple Point, Disconnect Switch - Control Box Components						
Ref. #	**Elect. Legend**	**Component Description**	**Part Number**			
2 & 5	CB1, CB2	Circuit Breaker, Std, Interrupt	300042122	2	1	
2 & 5	CB1, CB2	Circuit Breaker, High Interrupt	300042123	2	1	
2 & 5	CB1, CB2	Circuit Breaker, Std. Interrupt	300042125		1	2
2 & 5	CB1, CB2	Circuit Breaker, High Interrupt	300042126		1	2
--	--	Branch CB Trip	300042210	2	1	
--	--	Branch CB Trip	300042211		1	2
--	--	Circuit Breaker Handle	300042114	2	2	2
--	--	Circuit Breaker Shaft	300042115	2	2	2
--	--	Circuit Breaker Mechanism	300042218	2	2	2
3 & 6	1CT1-3, 2CT1-3	Current Transformers	300042127	6	6	6
4 & 7	SS11, SS21	RDB Chassis *	300042131	2	1	
4 & 7	SS11, SS21	RDB Chassis *	300042132		1	2
--	--	SCR *	300042134	2	2	2
--	--	Bypass Contactor	300042137	2	1	
--	--	Bypass Contactor	300042138		1	2
--	--	DVDT *	300042139	2	2	2
--	--	Over Temperature Switch	300042141	2	2	2
8	T1	Transformer	300042144	1	1	1
9	FU4,5	Fuse Pri CPT *	300042149	2	2	2
10	FU8A-C, FU9A-C	Fuse VFD or M11/M21	300042153	6	6	6
13	M12-16, M22-26	Fan Contactor	300042163	10	10	10
14	MSP12, MSP22	Motor Starter Protector	300042170	2	2	2
14	MSP13, MSP23	Motor Starter Protector	300042167	2		
14	MSP13, MSP23	Motor Starter Protector	300042170		2	2
Units with FAN VFD:						
11	LR11, 21	Line Reactors	300042155	2	2	2
12	VFD11, 21	Variable Frequency Drive	300042158	2	2	2
15	TVB-1,2	Terminal Block	300042213	2	2	2
Units with FanTrol:						
--	M11, M21	Fan Contactor	300042163	2	2	2

With FAN VFD = FAN VFD on 1st Motor / Circuit

*RDB Chassis = RediStart Digital Bypass Chassis
SCR = Silicon Controlled Rectifier
DVDT = Resistor/Capacitor Board for Voltage Transient Protection
Fuse Pri CPT = Fuses for Primary side of Control Power Transformer

Control Box Components
230V / 60Hz, Multiple Point, Disconnect Switch

				Unit Sizes			
				120 thru 145	160 thru 165	170 thru 175	180 thru 210
230V / 60Hz, Multiple Pt., Disconnect Switch - Control Box with Components							
Control Box Description			**Part Number**				
230V/60HZ, Std. Interrupt, FanTrol			330680451	1			
230V/60HZ, Std. Interrupt, With FAN VFD			330680461	1			
230V/60HZ, High Interrupt, FanTrol			330680471	1			
230V/60HZ, High Interrupt, With FAN VFD			330680481	1			
230V/60HZ, Std. Interrupt, FanTrol			330680551		1		
230V/60HZ, Std. Interrupt, With FAN VFD			330680561		1		
230V/60HZ, High Interrupt, FanTrol			330680571		1		
230V/60HZ, High Interrupt, With FAN VFD			330680581		1		
230V/60HZ, Std. Interrupt, FanTrol			330680651			1	
230V/60HZ, Std. Interrupt, With FAN VFD			330680661			1	
230V/60HZ, High Interrupt, FanTrol			330680671			1	
230V/60HZ, High Interrupt, With FAN VFD			330680681			1	
230V/60HZ, Std. Interrupt, FanTrol			330680751				1
230V/60HZ, Std. Interrupt, With FAN VFD			330680761				1
230V/60HZ, High Interrupt, FanTrol			330680771				1
230V/60HZ, High Interrupt, With FAN VFD			330680781				1
230V / 60Hz, Multiple Point, Disconnect Switch - Control Box Components							
Ref. #	**Elect. Legend**	**Component Description**	**Part Number**				
2 & 5	CB1, CB2	Circuit Breaker, Std. Interrupt	300042122	2	1		
2 & 5	CB1, CB2	Circuit Breaker, High Interrupt	300042123	2	1		
2 & 5	CB1, CB2	Circuit Breaker, Std. Interrupt	300042125		1	2	2
2 & 5	CB1, CB2	Circuit Breaker, High Interrupt	300042126		1	2	2
--	--	Branch CB Trip	300042210	2	1		
--	--	Branch CB Trip	300042211		1	2	2
--	--	Circuit Breaker Handle	300042114	2	2	2	2
--	--	Circuit Breaker Shaft	300042115	2	2	2	2
--	--	Circuit Breaker Mechanism	300042118	2	2	2	2
3 & 6	1CT1-3, 2CT1-3	Current Transformers	300042127	6	6	6	6
4 & 7	SS11, SS21	RDB Chassis *	300042131	2	2	2	
4 & 7	SS11, SS21	RDB Chassis *	300042132				2
--	--	SCR *	300042134	2	2	2	2
--	--	Bypass Contactor	300042137	2	2	2	
--	--	Bypass Contactor	300042138				2
--	--	DVDT *	300042139	2	2	2	2
--	--	Over Temperature Switch	300042141	2	2	2	2
8	T1	Transformer	300042144	1	1	1	1
9	FU4,5	Fuse Pri CPT *	300042149	2	2	2	2
10	FU8A-C, FU9A-C	Fuse VFD or M11/M21	300042154	6	6	6	6
13	M12-16, M22-26	Fan Contactor	300042163	10	10	10	10
14	MSP12, MSP22	Motor Starter Protector	300042169	2	2	2	2
14	MSP13, MSP23	Motor Starter Protector	300042167	2			
14	MSP13, MSP23	Motor Starter Protector	300042169		2	2	2
Units with FAN VFD:							
11	LR11, 21	Line Reactors	300042155	2	2	2	2
12	VFD11, 21	Variable Frequency Drive	300042158	2	2	2	2
15	TVB-1,2	Terminal Block	300042213	2	2	2	2
Units with FanTrol:							
--	M11, M21	Fan Contactor	300042163	2	2	2	2

With FAN VFD = FAN VFD on 1st Motor / Circuit

*RDB Chassis = RediStart Digital Bypass Chassis
SCR = Silicon Controlled Rectifier
DVDT = Resistor/Capacitor Board for Voltage Transient Protection
Fuse Pri CPT = Fuses for Primary side of Control Power Transformer

Control Box Components
380V / 60Hz, Multiple Point, Disconnect Switch

				Unit Sizes		
				120 thru 145	160 thru 165	170 thru 210
380V / 60Hz, Multiple Pt., Disconnect Switch - Control Box with Components						
Control Box Description			**Part Number**			
380V/60HZ, Std. Interrupt, FanTrol			330680851	1		
380V/60HZ, Std. Interrupt, With FAN VFD			330680861	1		
380V/60HZ, High Interrupt, FanTrol			330680871	1		
380V/60HZ, High Interrupt, With FAN VFD			330680881	1		
380V/60HZ, Std. Interrupt, FanTrol			330680951		1	
380V/60HZ, Std. Interrupt, With FAN VFD			330680961		1	
380V/60HZ, High Interrupt, FanTrol			330680971		1	
380V/60HZ, High Interrupt, With FAN VFD			330680981		1	
380V/60HZ, Std. Interrupt, FanTrol			330681051			1
380V/60HZ, Std. Interrupt, With FAN VFD			330681061			1
380V/60HZ, High Interrupt, FanTrol			330681071			1
380V/60HZ, High Interrupt, With FAN VFD			330681081			1
380V / 60Hz, Multiple Point, Disconnect Switch - Control Box Components						
Ref. #	**Elect. Legend**	**Component Description**	**Part Number**			
2 & 5	CB1, CB2	Circuit Breaker, Std. Interrupt	300042120	2	1	
2 & 5	CB1, CB2	Circuit Breaker, High Interrupt	300042121	2	1	
2 & 5	CB1, CB2	Circuit Breaker, Std. Interrupt	300042122		1	2
2 & 5	CB1, CB2	Circuit Breaker, High Interrupt	300042124		1	2
--	--	Branch CB Trip	300042208	2	1	
--	--	Branch CB Trip	300042210		1	2
--	--	Circuit Breaker Handle	300042114	2	2	2
--	--	Circuit Breaker Shaft	300042115	2	2	2
--	--	Circuit Breaker Mechanism	300042117	2	1	
--	--	CB Mechanism	300042118		1	2
3 & 6	1CT1-3, 2CT1-3	Current Transformers	300042128	6	3(1CT)	
3 & 6	1CT1-3, 2CT1-3	Currrent Transformers	300042127		3(2CT)	6
4 & 7	SS11, SS21	RDB Chassis *	300042129	2	1	
4 & 7	SS11, SS21	RDB Chassis *	300042130		1	2
--	--	SCR *	300030444	2	1	
--	--	SCR *	300042134		1	2
--	--	Bypass Contactor	300042135	2	1	
--	--	Bypass Contactor	300042136		1	2
--	--	MOV- Metal Oxide Varistor	300042140	2	1	
--	--	DVDT *	300042139		1	2
--	--	Over Temperature Switch	300042141		1	2
8	T1	Transformer	300042145	1	1	1
9	FU4,5	Fuse Pri CPT *	300042148	2	2	2
10	FU8A-C, FU9A-C	Fuse VFD or M11/M21	300042151	6	6	6
13	M12-16, M22-26	Fan Contactor	300042162	10	10	10
14	MSP12, MSP22	Motor Starter Protector	300042168	2	2	2
14	MSP13, MSP23	Motor Starter Protector	300042166	2		
14	MSP13, MSP23	Motor Starter Protector	300042168		2	2
Units with FAN VFD:						
11	LR11, 21	Line Reactors	300042156	2	2	2
12	VFD11, 21	Variable Frequency Drive	300042159	2	2	2
15	TVB-1,2	Terminal Block	300042213	2	2	2
Units with FanTrol:						
--	M11, M21	Fan Contactor	300042162	2	2	2

With FAN VFD = FAN VFD on 1st Motor / Circuit

*RDB Chassis = RediStart Digital Bypass Chassis
SCR = Silicon Controlled Rectifier
DVDT = Resistor/Capacitor Board for Voltage Transient Protection
Fuse Pri CPT = Fuses for Primary side of Control Power Transformer

Control Box Components
460V / 60Hz, Multiple Point, Disconnect Switch

				Unit Sizes	
				120 thru 145	160 thru 210
460V / 60Hz, Multiple Pt., Disconnect Switch - Control Box with Components					
Control Box Description			**Part Number**		
460V/60HZ, Std. Interrupt, FanTrol			330681351	1	
460V/60HZ, Std. Interrupt, With FAN VFD			330681361	1	
460V/60HZ, High Interrupt, FanTrol			330681371	1	
460V/60HZ, High Interrupt, With FAN VFD			330681381	1	
460V/60HZ, Std. Interrupt, FanTrol			330681451		1
460V/60HZ, Std. Interrupt, With FAN VFD			330681461		1
460V/60HZ, High Interrupt, FanTrol			330681471		1
460V/60HZ, High Interrupt, With FAN VFD			330681481		1
460V / 60Hz, Multiple Point, Disconnect Switch - Control Box Components					
Ref. #	**Elect. Legend**	**Component Description**	**Part Number**		
2 & 5	CB1, CB2	Circuit Breaker, Std. Interrupt	300042120	2	1
2 & 5	CB1, CB2	Circuit Breaker, High Interrupt	300042121	2	1
2 & 5	CB1, CB2	Circuit Breaker, Std. Interrupt	300042125		1
2 & 5	CB1, CB2	Circuit Breaker, High Interrupt	300042126		1
--	--	Branch CB Trip	300042208	2	1
--	--	Branch CB Trip	300042211		1
--	--	Circuit Breaker Handle	300042114	2	2
--	--	Circuit Breaker Shaft	300042115	2	2
--	--	Circuit Breaker Mechanism	300042117	2	2
3 & 6	1CT1-3, 2CT1-3	Current Transformers	300042128	6	6
4 & 7	SS11, SS21	RDB Chassis *	300042129	2	1
4 & 7	SS11, SS21	RDB Chassis *	300042132		1
--	--	SCR *	300030444	2	2
--	--	Bypass Contactor	300042135	2	1
--	--	Bypass Contactor	300042138		1
--	--	MOV- Metal Oxide Varistor	300042140	2	
--	--	DVDT *	300042139		2
--	--	Over Temperature Switch	300042141		2
8	T1	Transformer	300042142	1	1
9	FU4,5	Fuse Pri CPT *	300042148	2	2
10	FU8A-C, FU9A-C	Fuse VFD or M11/M21	300042152	6	6
13	M12-16, M22-26	Fan Contactor	300042162	10	10
14	MSP12, MSP22	Motor Starter Protector	300042166	2	2
14	MSP13, MSP23	Motor Starter Protector	300042165	2	2
Units with FAN VFD:					
11	LR11, 21	Line Reactors	300042156	2	2
12	VFD11, 21	Variable Frequency Drive	300042159	2	2
15	TVB-1,2	Terminal Block	300042213	2	2
Units with FanTrol:					
--	M11, M21	Fan Contactor	300042162	2	2

With FAN VFD = FAN VFD on 1st Motor / Circuit

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SCR = Silicon Controlled Rectifier
DVDT = Resistor/Capacitor Board for Voltage Transient Protection
Fuse Pri CPT = Fuses for Primary side of Control Power Transformer

Control Box Components
575V / 60Hz, Multiple Point, Disconnect Switch

				Unit Sizes		
				120 thru 145	160 thru 165	170 thru 210
575V / 60Hz, Multiple Pt., Disconnect Switch - Control Box with Components						
Control Box Description			**Part Number**			
575V/60HZ, Std. Interrupt, FanTrol			330681551	1		
575V/60HZ, Std. Interrupt, With FAN VFD			330681561	1		
575V/60HZ, High Interrupt, FanTrol			330681571	1		
575V/60HZ, High Interrupt, With FAN VFD			330681581	1		
575V/60HZ, Std. Interrupt, FanTrol			330681651		1	
575V/60HZ, Std. Interrupt, With FAN VFD			330681661		1	
575V/60HZ, High Interrupt, FanTrol			330681671		1	
575V/60HZ, High Interrupt, With FAN VFD			330681681		1	
575V/60HZ, Std. Interrupt, FanTrol			330681751			1
575V/60HZ, Std. Interrupt, With FAN VFD			330681761			1
575V/60HZ, High Interrupt, FanTrol			330681771			1
575V/60HZ, High Interrupt, With FAN VFD			330681781			1
575V / 60Hz, Multiple Point, Disconnect Switch - Control Box Components						
Ref. #	**Elect. Legend**	**Component Description**	**Part Number**			
2 & 5	CB1, CB2	Circuit Breaker, Std. Interrupt	300042120	2	2	2
2 & 5	CB1, CB2	Circuit Breaker, High Interrupt	300042209	2	2	2
--	--	Branch CB Trip	300042207	2	1	
--	--	Branch CB Trip	300042208		1	2
--	--	Circuit Breaker Handle	300042114	2	2	2
--	--	Circuit Breaker Shaft	300042115	2	2	2
--	--	Circuit Breaker Mechanism	300042117	2	2	2
3 & 6	1CT1-3, 2CT1-3	Current Transformers	300042128	6	6	6
4 & 7	SS11, SS21	RDB Chassis *	300042129	2	2	2
--	--	SCR *	300030444	2	2	2
--	--	Bypass Contactor	300042135	2	2	2
--	--	MOV- Metal Oxide Varistor	300042140	2	2	2
8	T1	Transformer	300042143	1	1	1
9	FU4,5	Fuse Pri CPT *	300042147	2	2	2
10	FU8A-C, FU9A-C	Fuse VFD or M11/M21	300042150	6	6	6
13	M12-16, M22-26	Fan Contactor	300042162	10	10	10
14	MSP12, MSP22	Motor Starter Protector	300042166	2	2	2
14	MSP13, MSP23	Motor Starter Protector	300042164	2		
14	MSP13, MSP23	Motor Starter Protector	300042166		2	2
Units with FAN VFD:						
11	LR11, 21	Line Reactors	300042157	2	2	2
12	VFD11, 21	Variable Frequency Drive	300042160	2	2	2
15	TVB-1,2	Terminal Block	300042213	2	2	2
Units with FanTrol:						
--	M11, M21	Fan Contactor	300042162	2	2	2

With FAN VFD = FAN VFD on 1st Motor / Circuit

*RDB Chassis = RediStart Digital Bypass Chassis
SCR = Silicon Controlled Rectifier
Fuse Pri CPT = Fuses for Primary side of Control Power Transformer

Control Box Components
208V / 60Hz, Single Point, Power Block

				Unit Sizes		
				120 thru 145	160 thru 165	170 thru 210
208V / 60Hz, Single Point, Power Block - Control Box with Components						
Control Box Description			**Part Number**			
208V/60HZ, Std. Interrupt, FanTrol			330681801	1		
208V/60HZ, Std. Interrupt, With FAN VFD			330681811	1		
208V/60HZ, Std. Interrupt, FanTrol			330681901		1	
208V/60HZ, Std. Interrupt, With FAN VFD			330681911		1	
208V/60HZ, Std. Interrupt, FanTrol			330682001			1
208V/60HZ, Std. Interrupt, With FAN VFD			330682011			1
208V / 60Hz, Single Point, Power Block - Control Box Components						
Ref. #	**Elect. Legend**	**Component Description**	**Part Number**			
1	PBM	Power Block	300042102	1	1	
1	PBM	Power Block	300042103			1
2 & 5	CB1	Branch CB Frame	300042122	2	1	
--	CB2	Branch CB Frame	300042125		1	2
--	CB1	Branch CB Trip	300042210	2	1	
--	CB2	Branch CB Trip	300042211		1	2
3 & 6	1CT1-3, 2CT1-3	Current Transformers	300042127	6	6	6
4 & 7	SS11, SS21	RDB Chassis *	300042131	2	1	
4 & 7	SS11, SS21	RDB Chassis *	300042132		1	2
--	--	SCR *	300042134	2	2	2
--	--	Bypass Contactor	300042137	2	1	
--	--	Bypass Contactor	300042138		1	2
--	--	DVDT *	300042139	2	2	2
--	--	Over Temperature Switch	300042141	2	2	2
8	T1	Transformer	300042144	1	1	1
9	FU4,5	Fuse Pri CPT	300042149	2	2	2
10	FU8A-C, FU9A-C	Fuse VFD or M11/M21	300042153	6	6	6
13	M12-16, M22-26	Fan Contactor	300042163	10	10	10
14	MSP12, MSP22	Motor Starter Protector	300042170	2	2	2
14	MSP13, MSP23	Motor Starter Protector	300042167	2		
14	MSP13, MSP23	Motor Starter Protector	300042170		2	2
Units with FAN VFD:						
11	LR11, 21	Line Reactors	300042155	2	2	2
12	VFD11, 21	Variable Frequency Drive	300042158	2	2	2
15	TVB-1,2	Terminal Block	300042213	2	2	2
Units with FanTrol:						
--	M11, M21	Fan Contactor	300042163	2	2	2

With FAN VFD = FAN VFD on 1st Motor / Circuit

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SCR = Silicon Controlled Rectifier
DVDT = Resistor/Capacitor Board for Voltage Transient Protection
Fuse Pri CPT = Fuses for Primary side of Control Power Transformer

Control Box Components
230V / 60Hz, Single Point, Power Block

				Unit Sizes			
				120 thru 145	160 thru 165	170 thru 175	180 thru 210
230V / 60Hz, Single Point, Power Block - Control Box with Components							
Control Box Description			**Part Number**				
230V/60HZ, Std. Interrupt, FanTrol			330682101	1			
230V/60HZ, Std. Interrupt, With FAN VFD			330682111	1			
230V/60HZ, Std. Interrupt, FanTrol			330682201		1		
230V/60HZ, Std. Interrupt, With FAN VFD			330682211		1		
230V/60HZ, Std. Interrupt, FanTrol			330682301			1	
230V/60HZ, Std. Interrupt, With FAN VFD			330682311			1	
230V/60HZ, Std. Interrupt, FanTrol			330682401				1
230V/60HZ, Std. Interrupt, With FAN VFD			330682411				1
230V / 60Hz, Single Point, Power Block - Control Box Components							
Ref. #	**Elect. Legend**	**Component Description**	**Part Number**				
1	PBM	Power Block	300042102	1	1	1	
1	PBM	Power Block	300042103				1
2 & 5	CB1	Branch CB Frame	300042122	2	1		
--	CB2	Branch CB Frame	300042125		1	2	2
--	CB1	Branch CB Trip	300042210	2	1		
--	CB2	Branch CB Trip	300042211		1	2	2
3 & 6	1CT1-3, 2CT1-3	Current Transformers	300042127	6	6	6	6
4 & 7	SS11, SS21	RDB Chassis *	300042131	2	2	2	
4 & 7	SS11, SS21	RDB Chassis *	300042132				2
--	--	SCR *	300042134	2	2	2	2
--	--	Bypass Contactor	300042137	2	2	2	
--	--	Bypass Contactor	300042138				2
--	--	DVDT *	300042139	2	2	2	2
--	--	Over Temperature Switch	300042141	2	2	2	2
8	T1	Transformer	300042144	1	1	1	1
9	FU4,5	Fuse Pri CPT	300042149	2	2	2	2
10	FU8A-C, FU9A-C	Fuse VFD or M11/M21	300042154	6	6	6	6
13	M12-16, M22-26	Fan Contactor	300042163	10	10	10	10
14	MSP12, MSP22	Motor Starter Protector	300042169	2	2	2	2
14	MSP13, MSP23	Motor Starter Protector	300042167	2			
14	MSP13, MSP23	Motor Starter Protector	300042169		2	2	2
Units with FAN VFD:							
11	LR11, 21	Line Reactors	300042155	2	2	2	2
12	VFD11, 21	Variable Frequency Drive	300042158	2	2	2	2
15	TVB-1,2	Terminal Block	300042213	2	2	2	2
Units with FanTrol:							
--	M11, M21	Fan Contactor	300042163	2	2	2	2

With FAN VFD = FAN VFD on 1st Motor / Circuit

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SCR = Silicon Controlled Rectifier
DVDT = Resistor/Capacitor Board for Voltage Transient Protection
Fuse Pri CPT = Fuses for Primary side of Control Power Transformer

Control Box Components
380V / 60Hz, Single Point, Power Block

				Unit Sizes		
				120 thru 145	160 thru 165	170 thru 210
380V / 60Hz, Single Point, Power Block - Control Box with Components						
Control Box Description			**Part Number**			
380V/60HZ, Std. Interrupt, FanTrol			330682501	1		
380V/60HZ, Std. Interrupt, With FAN VFD			330682511	1		
380V/60HZ, Std. Interrupt, FanTrol			330682601		1	
380V/60HZ, Std. Interrupt, With FAN VFD			330682611		1	
380V/60HZ, Std. Interrupt, FanTrol			330682701			1
380V/60HZ, Std. Interrupt, With FAN VFD			330682711			1
380V / 60Hz, Single Point, Power Block - Control Box Components						
Ref. #	**Elect. Legend**	**Component Description**	**Part Number**			
1	PBM	Power Block	300042101	1		
1	PBM	Power Block	300042102		1	1
2 & 5	CB1	Branch CB Frame	300042120	2	1	
--	CB2	Branch CB Frame	300042122		1	2
--	CB1	Branch CB Trip	300042208	2	1	
--	CB2	Branch CB Trip	300042210		1	2
3 & 6	1CT1-3, 2CT1-3	Current Transformers	300042128	6	3(1CT)	
3 & 6	1CT1-3, 2CT1-3	Current Transformers	300042127		3(2CT)	6
4 & 7	SS11, SS21	RDB Chassis *	300042129	2	1	
4 & 7	SS11, SS21	RDB Chassis *	300042130		1	2
--	--	SCR *	300030444	2	1	
--	--	SCR *	300042134		1	2
--	--	Bypass Contactor	300042135	2	1	
--	--	Bypass Contactor	300042136		1	2
--	--	MOV- Metal Oxide Varistor	300042140	2	1	
--	--	DVDT *	300042139		1	2
--	--	Over Temperature Switch	300042141		1	2
8	T1	Transformer	300042145	1	1	1
9	FU4,5	Fuse Pri CPT *	300042148	2	2	2
10	FU8A-C, FU9A-C	Fuse VFD or M11/M21	300042151	6	6	6
13	M12-16, M22-26	Fan Contactor	300042162	10	10	10
14	MSP12, MSP22	Motor Starter Protector	300042168	2	2	2
14	MSP13, MSP23	Motor Starter Protector	300042166	2		
14	MSP13, MSP23	Motor Starter Protector	300042168		2	2
Units with FAN VFD:						
11	LR11, 21	Line Reactors	300042156	2	2	2
12	VFD11, 21	Variable Frequency Drive	300042159	2	2	2
15	TVB-1,2	Terminal Block	300042213	2	2	2
Units with FanTrol:						
--	M11, M21	Fan Contactor	300042162	2	2	2

With FAN VFD = FAN VFD on 1st Motor / Circuit

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DVDT = Resistor/Capacitor Board for Voltage Transient Protection
Fuse Pri CPT = Fuses for Primary side of Control Power Transformer

Control Box Components
460V / 60Hz, Single Point, Power Block

				Unit Sizes	
				120 thru 145	160 thru 210
460V / 60Hz, Single Point, Power Block - Control Box with Components					
Control Box Description			**Part Number**		
460V/60HZ, Std. Interrupt, FanTrol,			330683001	1	
460V/60HZ, Std. Interrupt, With FAN VFD			330683011	1	
460V/60HZ, Std. Interrupt, FanTrol			330683101		1
460V/60HZ, Std. Interrupt, With FAN VFD			330683111		1
460V / 60Hz, Single Point, Power Block - Control Box Components					
Ref. #	**Elect. Legend**	**Component Description**	**Part Number**		
1	PBM	Power Block	300042101	1	1
2 & 5	CB1	Branch CB Frame	300042120	2	2
--	CB1	Branch CB Trip	300042208	2	2
3 & 6	1CT1-3, 2CT1-3	Current Transformers	300042128	6	6
4 & 7	SS11, SS21	RDB Chassis *	300042129	2	2
--	--	SCR *	300030444	2	2
--	--	Bypass Contactor	300042135	2	2
--	--	MOV- Metal Oxide Varistor	300042140	2	2
8	T1	Transformer	300042142	1	1
9	FU4,5	Fuse Pri CPT *	300042148	2	2
10	FU8A-C, FU9A-C	Fuse VFD or M11/M21	300042152	6	6
13	M12-16, M22-26	Fan Contactor	300042162	10	10
14	MSP12, MSP22	Motor Starter Protector	300042166	2	2
14	MSP13, MSP23	Motor Starter Protector	300042165	2	
14	MSP13, MSP23	Motor Starter Protector	300042166		2
Units with FAN VFD:					
11	LR11, 21	Line Reactors	300042156	2	2
12	VFD11, 21	Variable Frequency Drive	300042159	2	2
15	TVB-1,2	Terminal Block	300042213	2	2
Units with FanTrol:					
--	M11, M21	Fan Contactor	300042162	2	2

With FAN VFD = FAN VFD on 1st Motor / Circuit

*RDB Chassis = RediStart Digital Bypass Chassis
SCR = Silicon Controlled Rectifier
Fuse Pri CPT = Fuses for Primary side of Control Power Transformer

Control Box Components
575V / 60Hz, Single Point, Power Block

				Unit Sizes		
				120 thru 145	160 thru 165	170 thru 210
575V / 60Hz, Single Point, Power Block - Control Box with Components						
Control Box Description			**Part Number**			
575V/60HZ, Std. Interrupt, FanTrol			330683201	1		
575V/60HZ, Std. Interrupt, With FAN VFD			330683211	1		
575V/60HZ, Std. Interrupt, FanTrol			330683301		1	
575V/60HZ, Std. Interrupt, With FAN VFD			330683311		1	
575V/60HZ, Std. Interrupt, FanTrol			330683401			1
575V/60HZ, Std. Interrupt, With FAN VFD			330683411			1
575V / 60Hz, Single Point, Power Block - Control Box Components						
Ref. #	**Elect. Legend**	**Component Description**	**Part Number**			
1	PBM	Power Block	300042101	1	1	1
2 & 5	CB1	Branch CB Frame	300042120	2	2	2
--	CB1	Branch CB Trip	300042207	2	1	
--	CB2	Branch CB Trip	300042208		1	2
3 & 6	1CT1-3, 2CT1-3	Current Transformers	300042128	6	6	6
4 & 7	SS11, SS21	RDB Chassis *	300042129	2	2	2
--	--	SCR *	300030444	2	2	2
--	--	Bypass Contactor	300042135	2	2	2
--	--	MOV- Metal Oxide Varistor	300042140	2	2	2
8	T1	Transformer	300042143	1	1	1
9	FU4,5	Fuse Pri CPT *	300042147	2	2	2
10	FU8A-C, FU9A-C	Fuse VFD or M11/M21	300042150	6	6	6
13	M12-16, M22-26	Fan Contactor	300042162	10	10	10
14	MSP12, MSP22	Motor Starter Protector	300042166	2	2	2
14	MSP13, MSP23	Motor Starter Protector	300042164	2		
14	MSP13, MSP23	Motor Starter Protector	300042166		2	2
Units with FAN VFD:						
11	LR11, 21	Line Reactors	300042157	2	2	2
12	VFD11, 21	Variable Frequency Drive	300042160	2	2	2
15	TVB-1,2	Terminal Block	300042213	2	2	2
Units with FanTrol:						
--	M11, M21	Fan Contactor	300042162	2	2	2

With FAN VFD = FAN VFD on 1st Motor / Circuit

*RDB Chassis = RediStart Digital Bypass Chassis
SCR = Silicon Controlled Rectifier
Fuse Pri CPT = Fuses for Primary side of Control Power Transformer

Control Box Components
208V / 60Hz, Single Point, Disconnect Switch

				Unit Sizes		
				120 thru 145	160 thru 165	170 thru 210
208V / 60Hz, Single Pt., Disconnect Switch - Control Box with Components						
Control Box Description			**Part Number**			
208V/60HZ, Std. Interrupt, FanTrol			330681851	1		
208V/60HZ, Std. Interrupt, With FAN VFD			330681861	1		
208V/60HZ, High Interrupt, FanTrol			330681871	1		
208V/60HZ, High Interrupt, With FAN VFD			330681881	1		
208V/60HZ, Std. Interrupt, FanTrol			330681951		1	
208V/60HZ, Std. Interrupt, With FAN VFD			330681961		1	
208V/60HZ, High Interrupt, FanTrol			330681971		1	
208V/60HZ, High Interrupt, With FAN VFD			330681981		1	
208V/60HZ, Std. Interrupt, FanTrol			330682051			1
208V/60HZ, Std. Interrupt, With FAN VFD			330682061			1
208V/60HZ, High Interrupt, FanTrol			330682071			1
208V/60HZ, High Interrupt, With FAN VFD			330682081			1
208V / 60Hz, Single Point, Disconnect Switch - Control Box Components						
Ref. #	**Elect. Legend**	**Component Description**	**Part Number**			
1	CBM	Disconnect Switch, Std. Interrupt	300042110	1	1	
1	CBM	Disconnect Switch, Hi Interrupt	300042111	1	1	
1	CBM	Disconnect Switch, Std. Interrupt	300042112			1
1	CBM	Disconnect Switch, Hi Interrupt	300042113			1
2 & 5	CB1, CB2	Branch CB Frame	300042122	2	1	
2 & 5	CB1, CB2	Branch CB Frame	300042125		1	2
--	--	Branch CB Trip	300042210	2	1	
--	--	Branch CB Trip	300042211		1	2
--	--	Circuit Breaker Handle	300042114	1	1	1
--	--	Circuit Breaker Shaft	300042115	1	1	1
--	--	Circuit Breaker Mechanism	300042212	1	1	
--	--	Circuit Breaker Mechanism	300042119			1
3 & 6	1CT1-3, 2CT1-3	Current Transformers	300042127	6	6	6
4 & 7	SS11, SS21	RDB Chassis *	300042131	2	1	
4 & 7	SS11, SS21	RDB Chassis *	300042132		1	2
--	--	SCR *	300042134	2	2	2
--	--	Bypass Contactor	300042137	2	1	
--	--	Bypass Contactor	300042138		1	2
--	--	DVDT *	300042139	2	2	2
--	--	Over Temperature Switch	300042141	2	2	2
8	T1	Transformer	300042144	1	1	1
9	FU4,5	Fuse Pri CPT *	300042149	2	2	2
10	FU8A-C, FU9A-C	Fuse VFD or M11/M21	300042153	6	6	6
13	M12-16, M22-26	Fan Contactor	300042163	10	10	10
14	MSP12, MSP22	Motor Starter Protector	300042170	2	2	2
14	MSP13, MSP23	Motor Starter Protector	300042167	2		
14	MSP13, MSP23	Motor Starter Protector	300042170		2	2
Units with FAN VFD:						
11	LR11, 21	Line Reactors	300042155	2	2	2
12	VFD11, 21	Variable Frequency Drive	300042158	2	2	2
15	TVB-1,2	Terminal Block	300042213	2	2	2
Units with FanTrol:						
--	M11, M21	Fan Contactor	300042163	2	2	2

With FAN VFD = FAN VFD on 1st Motor / Circuit

*RDB Chassis = RediStart Digital Bypass Chassis
SCR = Silicon Controlled Rectifier
DVDT = Resistor/Capacitor Board for Voltage Transient Protection
Fuse Pri CPT = Fuses for Primary side of Control Power Transformer

Control Box Components
230V / 60Hz, Single Point, Disconnect Switch

				Unit Sizes			
				120 thru 145	160 thru 165	170 thru 175	180 thru 210
230V / 60Hz, Single Pt., Disconnect Switch - Control Box with Components							
Control Box Description			**Part Number**				
230V/60HZ, Std. Interrupt, FanTrol			330682151	1			
230V/60HZ, Std. Interrupt, With FAN VFD			330682161	1			
230V/60HZ, High Interrupt, FanTrol			330682171	1			
230V/60HZ, High Interrupt, With FAN VFD			330682181	1			
230V/60HZ, Std. Interrupt, FanTrol			330682251		1		
230V/60HZ, Std. Interrupt, With FAN VFD			330682261		1		
230V/60HZ, High Interrupt, FanTrol			330682271		1		
230V/60HZ, High Interrupt, With FAN VFD			330682281		1		
230V/60HZ, Std. Interrupt, FanTrol			330682351			1	
230V/60HZ, Std. Interrupt, With FAN VFD			330682361			1	
230V/60HZ, High Interrupt, FanTrol			330682371			1	
230V/60HZ, High Interrupt, With FAN VFD			330682381			1	
230V/60HZ, Std. Interrupt, FanTrol			330682451				1
230V/60HZ, Std. Interrupt, With FAN VFD			330682461				1
230V/60HZ, High Interrupt, FanTrol			330682471				1
230V/60HZ, High Interrupt, With FAN VFD			330682481				1
230V / 60Hz, Single Point, Disconnect Switch - Control Box Components							
Ref. #	**Elect. Legend**	**Component Description**	**Part Number**				
1	CBM	Disconnect Switch, Std. Interrupt	300042110	1	1	1	
1	CBM	Disconnect Switch, Hi Interrupt	300042111	1	1	1	
1	CBM	Disconnect Switch, Std. Interrupt	300042112				1
1	CBM	Disconnect Switch, Hi Interrupt	300042113				1
2 & 5	CB1, CB2	Branch Circuit Breaker Frame	300042122	2	1		
2 & 5	CB1, CB2	Branch Circuit Breaker Frame	300042125		1	2	2
--	--	Branch CB Trip	300042210	2	1		
--	--	Branch CB Trip	300042211		1	2	2
--	--	Circuit Breaker Handle	300042114	1	1	1	1
--	--	Circuit Breaker Shaft	300042115	1	1	1	1
--	--	Circuit Breaker Mechanism	300042212	1	1	1	
--	--	Circuit Breaker Mechanism	300042119				1
3 & 6	1CT1-3, 2CT1-3	Current Transformers	300042127	6	6	6	6
4 & 7	SS11, SS21	RDB Chassis *	300042131	2	2	2	
4 & 7	SS11, SS21	RDB Chassis *	300042132				2
--	--	SCR *	300042134	2	2	2	2
--	--	Bypass Contactor	300042137	2	2	2	
--	--	Bypass Contactor	300042138				2
--	--	DVDT *	300042139	2	2	2	2
--	--	Over Temperature Switch	300042141	2	2	2	2
8	T1	Transformer	300042144	1	1	1	1
9	FU4,5	Fuse Pri CPT *	300042149	2	2	2	2
10	FU8A-C, FU9A-C	Fuse VFD or M11/M21	300042154	6	6	6	6
13	M12-16, M22-26	Fan Contactor	300042163	10	10	10	10
14	MSP12, MSP22	Motor Starter Protector	300042169	2	2	2	2
14	MSP13, MSP23	Motor Starter Protector	300042167	2			
14	MSP13, MSP23	Motor Starter Protector	300042169		2	2	2
Units with FAN VFD:							
11	LR11, 21	Line Reactors	300042155	2	2	2	2
12	VFD11, 21	Variable Frequency Drive	300042158	2	2	2	2
15	TVB-1,2	Terminal Block	300042213	2	2	2	2
Units with FanTrol:							
--	M11, M21	Fan Contactor	300042163	2	2	2	2

With FAN VFD = FAN VFD on 1st Motor / Circuit

*RDB Chassis = RediStart Digital Bypass Chassis
SCR = Silicon Controlled Rectifier
DVDT = Resistor/Capacitor Board for Voltage Transient Protection
Fuse Pri CPT = Fuses for Primary side of Control Power Transformer

Control Box Components
380V / 60Hz, Single Point, Disconnect Switch

				Unit Sizes		
				120 thru 145	160 thru 165	170 thru 210
380V / 60Hz, Single Pt., Disconnect Switch - Control Box with Components						
Control Box Description			**Part Number**			
380V/60HZ, Std. Interrupt, FanTrol			330682551	1		
380V/60HZ, Std. Interrupt, With FAN VFD			330682561	1		
380V/60HZ, High Interrupt, FanTrol			330682571	1		
380V/60HZ, High Interrupt, With FAN VFD			330682581	1		
380V/60HZ, Std. Interrupt, FanTrol			330682651		1	
380V/60HZ, Std. Interrupt, With FAN VFD			330682661		1	
380V/60HZ, High Interrupt, FanTrol			330682671		1	
380V/60HZ, High Interrupt, With FAN VFD			330682681		1	
380V/60HZ, Std. Interrupt, FanTrol			330682751			1
380V/60HZ, Std. Interrupt, With FAN VFD			330682761			1
380V/60HZ, High Interrupt, FanTrol			330682771			1
380V/60HZ, High Interrupt, With FAN VFD			330682781			1
380V / 60Hz, Single Point, Disconnect Switch - Control Box Components						
Ref. #	**Elect. Legend**	**Component Description**	**Part Number**			
1	CBM	Disconnect Switch, Std. Interrupt	300042106	1		
1	CBM	Disconnect Switch, Hi Interrupt	300042107	1		
1	CBM	Disconnect Switch, Std. Interrupt	300042108		1	1
1	CBM	Disconnect Switch, Hi Interrupt	300042109		1	1
2 & 5	CB1, CB2	Branch CB Frame	300042120	2	1	
2 & 5	CB1, CB2	Branch CB Frame	300042122		1	2
--	--	Branch CB Trip	300042208	2	1	
--	--	Branch CB Trip	300042210		1	2
--	--	Circuit Breaker Handle	300042114	1	1	1
--	--	Circuit Breaker Shaft	300042115	1	1	1
--	--	Circuit Breaker Mechanism	300042118	1	1	
3 & 6	1CT1-3, 2CT1-3	Current Transformers	300042128	6	3(1CT)	
3 & 6	1CT1-3, 2CT1-3	Current Transformers	300042127		3(2CT)	6
4 & 7	SS11, SS21	RDB Chassis *	300042129	2	1	
4 & 7	SS11, SS21	RDB Chassis *	300042130		1	2
--	--	SCR *	300030444	2	1	
--	--	SCR *	300042134		1	2
--	--	Bypass Contactor	300042135	2	1	
--	--	Bypass Contactor	300042136		1	2
--	--	MOV- Metal Oxide Varistor	300042140	2	1	
--	--	DVDT *	300042139		1	2
--	--	Over Temperture Switch	300042141		1	2
8	T1	Transformer	300042145	1	1	1
9	FU4,5	Fuse Pri CPT *	300042148	2	2	2
10	FU8A-C, FU9A-C	Fuse VFD or M11/M21	300042151	6	6	6
13	M12-16, M22-26	Fan Contactor	300042162	10	10	10
14	MSP12, MSP22	Motor Starter Protector	300042168	2	2	2
14	MSP13, MSP23	Motor Starter Protector	300042166	2		
14	MSP13, MSP23	Motor Starter Protector	300042168		2	2
Units with FAN VFD:						
11	LR11, 21	Line Reactors	300042156	2	2	2
12	VFD11, 21	Variable Frequency Drive	300042159	2	2	2
15	TVB-1,2	Terminal Block	300042213	2	2	2
Units with FanTrol:						
--	M11, M21	Fan Contactor	300042162	2	2	2

With FAN VFD = FAN VFD on 1st Motor / Circuit

*RDB Chassis = RediStart Digital Bypass Chassis
SCR = Silicon Controlled Rectifier
DVDT = Resistor/Capacitor Board for Voltage Transient Protection
Fuse Pri CPT = Fuses for Primary side of Control Power Transformer

Control Box Components
460V / 60Hz, Single Point, Disconnect Switch

				Unit Sizes	
				120 thru 145	160 thru 210
460V / 60Hz, Single Pt., Disconnect Switch - Control Box with Components					
Control Box Description			**Part Number**		
460V/60HZ, Std. Interrupt, FanTrol			330683051	1	
460V/60HZ, Std. Interrupt, With FAN VFD			330683061	1	
460V/60HZ, High Interrupt, FanTrol			330683071	1	
460V/60HZ, High Interrupt, With FAN VFD			330683081	1	
460V/60HZ, Std. Interrupt, FanTrol			330683151		1
460V/60HZ, Std. Interrupt, With FAN VFD			330683161		1
460V/60HZ, High Interrupt, FanTrol			330683171		1
460V/60HZ, High Interrupt, With FAN VFD			330683181		1
460V / 60Hz, Single Point, Disconnect Switch - Control Box Components					
Ref. #	**Elect. Legend**	**Component Description**	**Part Number**		
1	CBM	Disconnect Switch, Std. Interrupt	300042106	1	
1	CBM	Disconnect Switch, Hi Interrupt	300042107	1	
1	CBM	Disconnect Switch, Std. Interrupt	300042108		1
1	CBM	Disconnect Switch, Hi Interrupt	300042109		1
2 & 5	CB1, CB2	Branch Circuit Breaker Frame	300042120	2	2
--	--	Branch CB Trip	300042208	2	2
--	--	Circuit Breaker Handle	300042114	1	1
--	--	Circuit Breaker Shaft	300042115	1	1
--	--	Circuit Breaker Mechanism	300042118	1	1
3 & 6	1CT1-3, 2CT1-3	Current Transformers	300042128	6	6
4 & 7	SS11, SS21	RDB Chassis *	300042129	2	2
--	--	SCR *	300030444	2	2
--	--	Bypass Contactor	300042135	2	2
--	--	MOV- Metal Oxide Varistor	300042140	2	2
8	T1	Transformer	300042142	1	1
9	FU4,5	Fuse Pri CPT *	300042148	2	2
10	FU8A-C, FU9A-C	Fuse VFD or M11/M21	300042152	6	6
13	M12-16, M22-26	Fan Contactor	300042162	10	10
14	MSP12, MSP22	Motor Starter Protector	300042166	2	2
14	MSP13, MSP23	Motor Starter Protector	300042165	2	
14	MSP13, MSP23	Motor Starter Protector	300042166		2
Units with FAN VFD:					
11	LR11, 21	Line Reactors	300042156	2	2
12	VFD11, 21	Variable Frequency Drive	300042159	2	2
15	TVB-1,2	Terminal Block	300042213	2	2
Units with FanTrol:					
--	M11, M21	Fan Contactor	300042162	2	2

With FAN VFD = FAN VFD on 1st Motor / Circuit

*RDB Chassis = RediStart Digital Bypass Chassis
SCR = Silicon Controlled Rectifier
DVDT = Resistor/Capacitor Board for Voltage Transient Protection
Fuse Pri CPT = Fuses for Primary side of Control Power Transformer

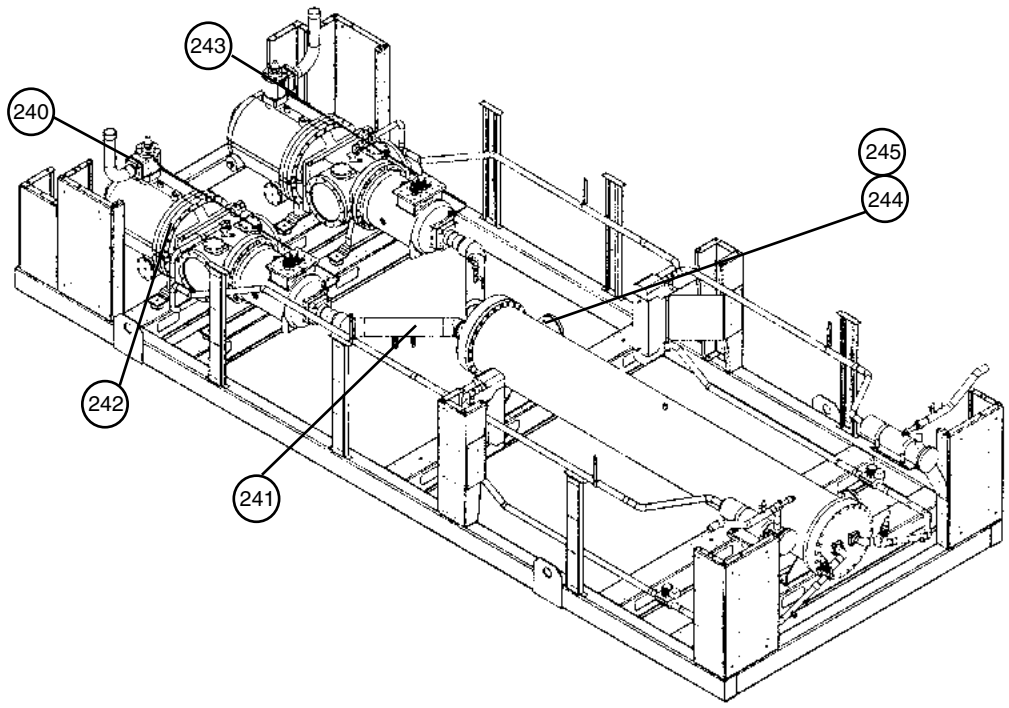
Control Box Components
575V / 60Hz, Single Point, Disconnect Switch

				Unit Sizes		
				120 thru 145	160 thru 165	170 thru 210
575V / 60Hz, Single Pt., Disconnect Switch - Control Box with Components						
Control Box Description			**Part Number**			
575V/60HZ, Std. Interrupt, FanTrol			330683251	1		
575V/60HZ, Std. Interrupt, With FAN VFD			330683261	1		
575V/60HZ, High Interrupt, FanTrol			330683271	1		
575V/60HZ, High Interrupt, With FAN VFD			330683281	1		
575V/60HZ, Std. Interrupt, FanTrol			330683351		1	
575V/60HZ, Std. Interrupt, With FAN VFD			330683361		1	
575V/60HZ, High Interrupt, FanTrol			330683371		1	
575V/60HZ, High Interrupt, With FAN VFD			330683381		1	
575V/60HZ, Std. Interrupt, FanTrol			330683451			1
575V/60HZ, Std. Interrupt, With FAN VFD			330683461			1
575V/60HZ, High Interrupt, FanTrol			330683471			1
575V/60HZ, High Interrupt, With FAN VFD			330683481			1
575V / 60Hz, Single Point, Disconnect Switch - Control Box Components						
Ref. #	**Elect. Legend**	**Component Description**	**Part Number**			
1	CBM	Disconnect Switch, Std. Interrupt	300042104	1		
1	CBM	Disconnect Switch, Hi Interrupt	300042105	1		
1	CBM	Disconnect Switch, Std. Interrupt	300042106		1	1
1	CBM	Disconnect Switch, Hi Interrupt	300042107		1	1
2 & 5	CB1, CB2	Branch CBFrame	300042120	2	2	2
--	--	Branch CB Trip	300042207	2	1	
--	--	Branch CB Trip	300042208		1	2
--	--	Circuit Breaker Handle	300042114	1	1	1
--	--	Circuit Breaker Shaft	300042115	1	1	1
--	--	Circuit Breaker Mechanism	300042117	1		
--	--	Circuit Breaker Mechanism	300042118		1	1
3 & 6	1CT1-3, 2CT1-3	Current Transformers	300042128	6	6	6
4 & 7	SS11, SS21	RDB Chassis *	300042129	2	2	2
--	--	SCR *	300030444	2	2	2
--	--	Bypass Contactor	300042135	2	2	2
--	--	MOV- Metal Oxide Varistor	300042140	2	2	2
8	T1	Transformer	300042143	1	1	1
9	FU4,5	Fuse Pri CPT *	300042147	2	2	2
10	FU8A-C, FU9A-C	Fuse VFD or M11/M21	300042150	6	6	6
13	M12-16, M22-26	Fan Contactor	300042162	10	10	10
14	MSP12, MSP22	Motor Starter Protector	300042166	2	2	2
14	MSP13, MSP23	Motor Starter Protector	300042164	2		
14	MSP13, MSP23	Motor Starter Protector	300042166		2	2
Units with FAN VFD:						
11	LR11, 21	Line Reactors	300042157	2	2	2
12	VFD11, 21	Variable Frequency Drive	300042160	2	2	2
15	TVB-1,2	Terminal Block	300042213	2	2	2
Units with FanTrol:						
--	M11, M21	Fan Contactor	300042162	2	2	2

With FAN VFD = FAN VFD on 1st Motor / Circuit

*RDB Chassis = RediStart Digital Bypass Chassis
SCR = Silicon Controlled Rectifier
DVDT = Resistor/Capacitor Board for Voltage Transient Protection
Fuse Pri CPT = Fuses for Primary side of Control Power Transformer

Miscellaneous Controls



Control Box Options

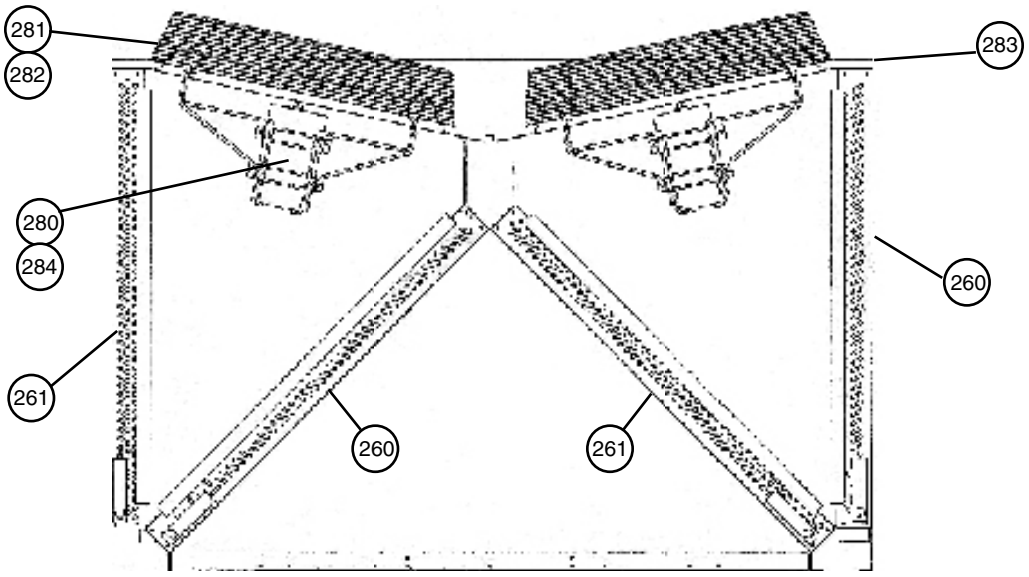
All Units	Description	Part Number	Quantity
NS	High Ambient Control Box Fans	330766301	1
NS	115V Outlet with GFP	330472601	1
NS	115V Outlet Fuse	025954700	1
NS	115V Outlet Fuse Holder	018690600	1

Electrical

All Units	Description	Part Number	Quantity
240	Ctrl Press Transducer, High 410	071568611	2
241	Ctrl Press Transducer, Low 132	071568511	2
NS	Transducer Cable, Discharge, 10 ft.	330841552	2
NS	Transducer Cable, Suction, 25 ft.	330841555	2
NS	Teansducer Cable, Suction 100 ft. (Remote Evap)	330841556	2
242	Oil Differential Ctrl-Press, 25PSI,SPST-NC,24V	330132001	2
NS	Capillary Tubes for Oil Differential Ctrl-Press	300043464	2
244	Sensor, Flow	330571401	1
245	Cable, Flow Sensor	330571403	1
All Remote Evaporator Units			
243	Switch,Press CL30-OP10 PSI	073074006	2

NS = Not Shown

Fan Motors and Grilles



Coils (end view) - Opposite Control Box End

8 Fan Units:	10 Fan Units:		12 Fan Units:
120C	125C	170C	165C
130C	135C	180C	175C
140C	145C	190C	195C
160C			210C

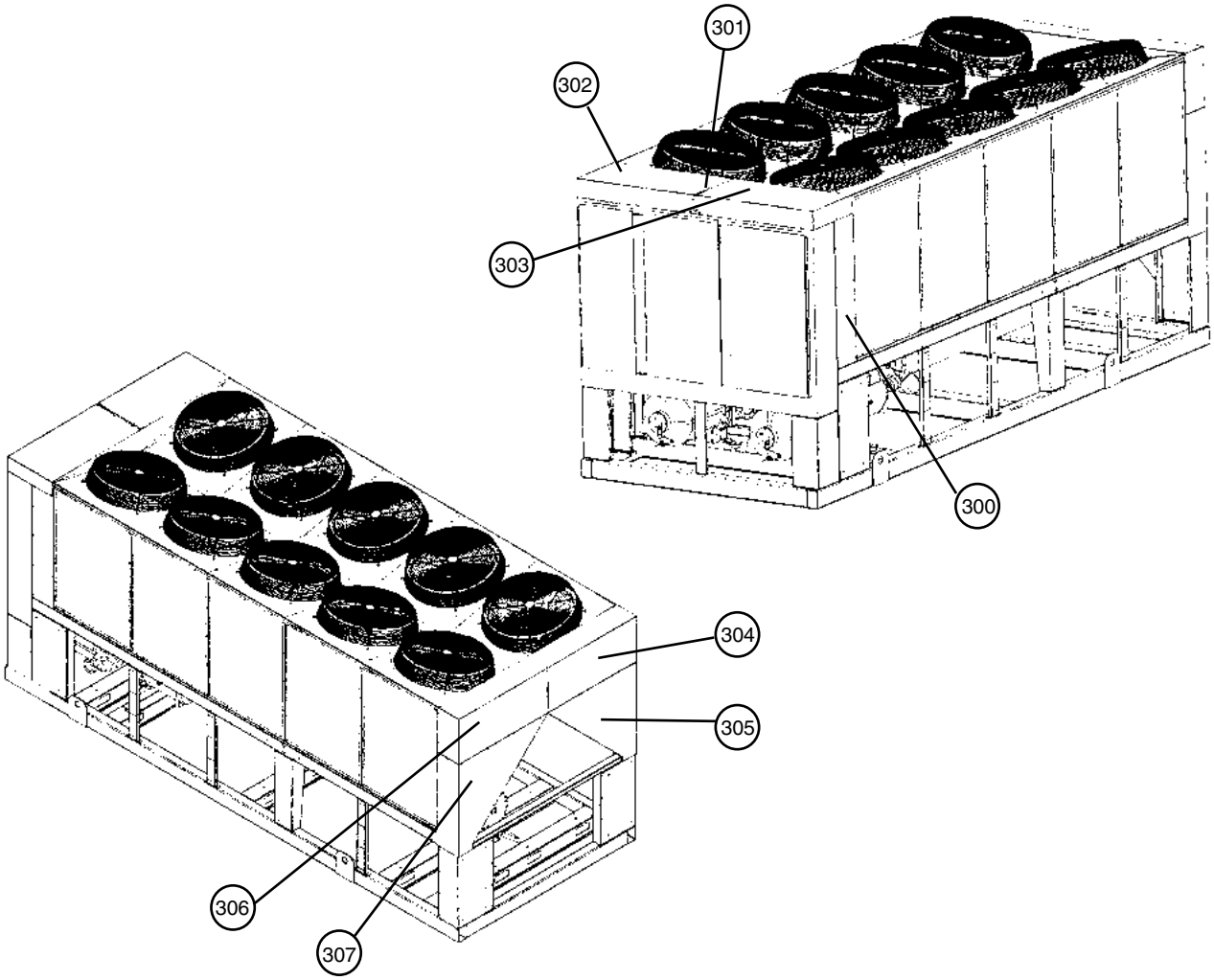
Ref. #	Description	Part Number	Quantity Per Fan
AGS 120C - 195C			
280	208-230/460V - 2.0 HP VFD Fan Motor	330423302	1
280	380 - 2.0 HP FanTrol Fan Motor	074521001	1
280	575V - 2.0 HP VFD Fan Motor	330423702	1
281	Fan Blade, 30” Dia.	330294001	1
AGS 210C Only			
280	208-230/460V - 2.5 HP VFD Fan Motor	330766003	1
280	380 - 2.5 HP FanTrol Fan Motor	330766201	1
280	575V - 2.5 HP VFD Fan Motor	330766101	1
281	Fan Blade, 30” Dia.	330424001	1
All Units			
282	Fan Grille, 36” Dia.	330288101	1
282	Fan Chimney, 36” Dia.	330812901	1
283	Fan Panel	330288202	1
284	Fan Motor Bracket	330260701	2

Note: Unit will have Fan Grilles or Fan Chimneys depending on how unit was ordered. (See Code 11 - Fan Outlet on Unit Model Nomenclature page.)

Condenser Coils

Ref. #	Description	Part Number	Quantity Per Unit
AGS 120C, 130C, 140C			
260	Condenser Coil, Left Hand Assy. / Aluminum Fin	330850611	2
260	Condenser Coil, Left Hand Assy. / Copper Fin	330850612	2
260	Condenser Coil, Left Hand Assy. / Black Fin	330850613	2
260	Condenser Coil, Left Hand Assy. / Coated Elec. Alum.	330850611P	2
260	Condenser Coil, Left Hand Assy. / Coated Elec. Copper	330850612P	2
261	Condenser Coil, Right Hand Assy. / Aluminum Fin	330850621	2
261	Condenser Coil, Right Hand Assy./ Copper Fin	330850622	2
261	Condenser Coil, Right Hand Assy./ Black Fin	330850623	2
261	Condenser Coil, Right Hand Assy./ Coated Elec. Alum.	330850621P	2
261	Condenser Coil, Right Hand Assy./ Coated Elec. Copper	330850622P	2
AGS 125C, 135C, 145C, 170C, 180C, 190C			
260	Condenser Coil, Left Hand Assy. / Aluminum Fin	330849111	2
260	Condenser Coil, Left Hand Assy. / Copper Fin	330849112	2
260	Condenser Coil, Left Hand Assy. / Black Fin	330849113	2
260	Condenser Coil, Left Hand Assy. / Coated Elec. Alum.	330849111P	2
260	Condenser Coil, Left Hand Assy. / Coated Elec. Copper	330849112P	2
261	Condenser Coil, Right Hand Assy./ Aluminum Fin	330849121	2
261	Condenser Coil, Right Hand Assy./ Copper Fin	330849122	2
261	Condenser Coil, Right Hand Assy./ Black Fin	330849123	2
261	Condenser Coil, Right Hand Assy./ Coated Elec. Alum.	330849121P	2
261	Condenser Coil, Right Hand Assy./ Coated Elec. Copper	330849122P	2
AGS 165C, 175C, 195C, 210C			
260	Condenser Coil, Left Hand Assy. / Aluminum. Fin	330849411	2
260	Condenser Coil, Left Hand Assy. / Copper Fin	330849412	2
260	Condenser Coil, Left Hand Assy. / Black Fin	330849413	2
260	Condenser Coil, Left Hand Assy. / Coated Elec. Alum.	330849411P	2
260	Condenser Coil, Left Hand Assy. / Coated Elec. Copper	330849412P	2
261	Condenser Coil, Right Hand Assy./ Aluminum Fin	330849421	2
261	Condenser Coil, Right Hand Assy./ Copper Fin	330849422	2
261	Condenser Coil, Right Hand Assy./ Black Fin	330849423	2
261	Condenser Coil, Right Hand Assy./ Coated Elec. Alum.	330849421P	2
261	Condenser Coil, Right Hand Assy./ Coated Elec. Copper	330849422P	2

Final Sheetmetal Wraps



Ref. #	Description	Part Number	Quantity
300	Wrap, Side	330701301	2
301	Wrap, Top Center	330712501	1
302	Wrap, Top Left-Hand	330712401	1
303	Wrap, Top Right-Hand	330712601	1
304	Wrap, End, Right-Hand Top	330732601	1
305	Wrap, End, Right-Hand Bottom	330732801	1
306	Wrap, End, Left-Hand Top	330732501	1
307	Wrap, End, Left-Hand Bottom	330732701	1

Field Installed Kits

8 Fan Units:	10 Fan Units:		12 Fan Units:
120C	125C	170C	165C
130C	135C	180C	175C
140C	145C	190C	195C
160C			210C

		Quantity		
Description	**Part Number**	**8 Fan**	**10 Fan**	**12 Fan**
Base Guard Grilles - Complete Kit	330904301	1		
Base Guard Grilles - Complete Kit	330904302		1	
Base Guard Grilles - Complete Kit	330904303			1
Kits include the following:				
Screw, Tap, .250-20 x .50	046093807	4	4	4
Screw, Tap, .375-16 x 1.00	046093820	131	127	289
Triangle Grille	330515201	1	1	1
Grille, 54.68 x 31.70	330802501	1	1	1
Grille, 33.00 x 32.14	330802601	6	6	6
Grille	330496301	2	4	6
Grille	330702101	2	2	2
Support, Center of control Box	330702001	1	1	1
Coil Guard Louvers - Complete Kit	330904311	1		
Coil Guard Louvers - Complete Kit	330904312		1	
Coil Guard Louvers - Complete Kit	330904313			1
Kits include the following:				
Louver / Panel Coil Guard	330455001	8	10	12
Screw, Tap, .375-16 x 1.00	046093820	98	120	142
Coil and Base Guard Louvers - Complete Kit	330904321	1		
Coil and Base Guard Louvers - Complete Kit	330904322		1	
Coil and Base Guard Louvers - Complete Kit	330904323			1
Kits include the following:				
Screw, Tap, .250-20 x .50	046093807	4	4	4
Screw, Tap, .375-16 x 1.00	046093820	241	265	289
Support, Center of Control Box	330702001	1	1	1
Louver / Panel Coil Guard	330455001	8	8	8
Louver / Panel Base 40”	330707101	2	4	4
Louver / Panel Base, Side Rear RH	330707201	1	1	1
Louver / Panel Base, Side Rear LH	330707301	1	1	1
Louver / Panel Base, Side Front RH	330707401	1		
Louver / Panel Base, Side Front RH	330707701		1	1
Louver / Panel Base, Side Front LH	330707501	1		
Louver / Panel Base, Side Front LH	330707801		1	1
Louver / Panel Base 35”	330707601	2	2	4
Louver / Panel Base, Front	330707901	2	2	2
Louver / Panel Base, Rear	330708001	1	1	1
Louver / Panel Base, Triangle	330708101	1	1	1

Field Installed Kits, continued

	Description	Part #
All Units		
	115V Outlet Kit	330904331
	Sound Enclosure Kit	330904341
	Flow Switch	017503300
	Alarm Bell Kit	058090101
	LonMark Kit – Not Available if unit has BACnet or MODBus	350147401
	MODBus Kit – Not Available if unit has BACnet or LonMark	350147402
	BACnet Kit – Not Available if unit has MODBus or LonMark	350147404